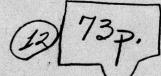


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Discension para, uss san pablo cruise

OF hay and june 1962. MANUSCRIPT NOO-IM-0-56-62 **AUTHOR** OCEANOGRAPHIC DEVELOPMENT DIVISION DATE







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OCEANOGRAPHIC STATION DATA, USS SAN PABLO CRUISE NO. 31947 OF MAY AND JUNE 1962

OCEANOGRAPHIC DEVELOPMENT DIVISION

SEPTEMBER 1962

PREFACE

During the period 20 May through 24 June 1962, the USS SAN PABLO (AGS-30) collected oceanographic observations in the Tongue of the Ocean (TOTO), Exuma Sound, and east of the Bahamas. In the TOTO, observations included 3-hourly Nansen casts at a 7-day anchor station, 4 Nansen casts while adrift, and 100 biological samples. In Exuma Sound 57 bottom core samples were collected. East of the Bahamas 2 Nansen casts were made, and 8 bottom core samples were collected. A total of 474 bathythermograms were collected during the survey. All Nansen cast data are presented herein.

The 7-day anchor station in the TOTO was occupied from 2200 on 20 May to 1900 on 27 May and resulted in 56 successive single Nansen casts. Sampling depths, representing 19 different horizons, extended from the surface to 1,800 meters. Salinity determinations were made aboard ship on a salinity bridge.

The following civilian personnel from the U. S. Naval Oceanographic Office were active in the oceanographic program aboard the USS SAN PABLO: F. M. Daugherty, Jr. (Senior Scientist), A. Russell Mooney, Charles Ostericher, Jr., Charles L. Davis, Roswell F. Busby, Richard F. Rooney, J. H. Hoffman, Carl A. Justus, Spurgeon C. Crosby, Harold E. Grimm, and Kemper Reece.

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EXPLANATION OF OCEANOGRAPHIC STATION DATA

A. General

Each of the items appearing on the data pages is explained below. The vertical arrows shown in some of the column headings indicate the location of decimal points. The horizontal arrow next to a depth indicates the first depth of the second oceanographic cast. The presence of asterisks to the right of data indicates those data are doubtful; hence, they were not used in the construction of the curve from which interpolated values (standard depth values) were derived. Observed values which were obviously invalid were omitted entirely. A dagger symbol (†) indicates data which have been machine interpolated over three or more depths. When the dagger symbol appears opposite the depth, all data at that depth have been machine interpolated.

B. Surface Observations

- 1. <u>NODC Ref. No.</u> This number is arbitrarily assigned. It identifies the cruise and provides a means of sorting from the IBM files all cards pertaining to that particular cruise.
- 2. Station Number. Stations are normally numbered consecutively, starting with one at the beginning of each cruise. Therefore, for a complete identification of a particular station, both cruise and station number are necessary.
- 3. <u>Date</u>. Month, day, and year are given in Arabic numerals. The hour is Greenwich Mean Time and is that hour nearest to the time of release of the messenger for the first cast.
- 4. Latitude and Longitude. The position of the station is given in degrees and minutes.
- 5. Sonic Depth. Sonic Depth is the uncorrected sounding for the station, recorded in meters.
- 6. Maximum Sample Depth. The maximum depth from which a water sample was obtained at the station is given to the nearest 100 meters.
- 7. Wind. Wind speed is given in meters per second. Direction from which the wind blows is coded in degrees true to the nearest ten degrees. The last zero is omitted. North is 36 on this scale and calm is 0. See Table 1, Compass Direction Conversion Table for Wind, Sea, and Swell Directions.
- 8. Anemometer Height. The height of the anemometer above the waterline is given in meters.

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- 9. Barometric Pressure. Barometric pressure is coded in millibars, neglecting the 900 or 1000. Thus, 996 millibars is coded as 96 and 1008 millibars is coded as 08.
- 10. Air Temperature. Dry bulb and wet bulb temperatures are entered to the nearest tenth of a degree (Centigrade). A negative temperature is coded by dropping the minus sign and adding 50; thus -10° is coded as 60.
- 11. Humidity. The percent of humidity is coded directly, 100 percent being coded as 99.
- 12. Weather. Weather is coded as indicated in Table 2, Numerical Weather Codes Present Weather.
- 13. Cloud. Cloud type and amount are coded as indicated in Tables 3, Cloud Type, and 4, Cloud Amount.
- 14. Sea. Sea direction and amount are coded as indicated in Tables 1 and 5, respectively.
- 15. Swell. Swell direction and amount are coded as indicated in Tables 1 and 6, respectively.
 - 16. Visibility. Visibility is coded as indicated in Table 7, Visibility.

C. Subsurface Observations

- 1. Sample Depth. Observed (actual) depth of each sample is given in meters. Interpolated values at standard depths are also given. The standard depths, in meters, are: 0, 10, 20, 30, 50, 75, 100, 150, 200, 250, 300, 400, 500, 600, 800, 1000, 1200, 1500, 2000, 2500, 3000, and thence every 1000 meters.
 - 2. Temperature. The Centigrade temperature is given in degrees and hundredths.
- 3. Salinity. Salinity is given in parts per thousand (by weight) to two decimal places.
- 4. Sigma-t. To convert to density divide by 1000 and add 1. Thus, a sigma-t value of 22.35 converts to a density of 1.02235.
- 5. Delta-D. The values in the columns are the anomalies of dynamic depths from the surface to each level in dynamic meters. Each entry is the cumulative sum of the anomalies of dynamic depth of the layer above. These values have been computed for the standard depths only, and serve to identify computed points.

- 6. Dissolved Oxygen. These values when given are in milliliters per liter to two decimal places. Values of 10.00 or above rarely occur and are coded as 9.99.
- 7. Sound Velocity. Sound velocity is given in feet per second to one decimal place, corrected for pressure at each depth. Wilson's equation has been used to compute sound velocities.

TABLE 1. COMPASS DIRECTION CONVERSION TABLE FOR WIND, SEA, AND SWELL DIRECTIONS

Code	Direction		Code	Direc	tion	
00	 Calm		19	 185° to	194°	
01	 5° to 14°	Line Control of the C	20	 195° to	204°	SSW
02	 15° to 24°	NNE	21	 205° to	2140	
03	 25° to 34°		22	 215° to	224°	
04	 35° to 44°		23	 225° to	234°	SW
05	 45° to 54°	NE	24	 235° to	244°	
06	 55° to 64°		25	 245° to	254°	wsw
07	 65° to 74°	ENE	26	 255° to	264°	
08	 75° to 84°		27	 265° to	274°	W
09	 85° to 94°	E	28	 275° to	284°	
10	 95° to 104°		29	 285° to	294°	WNW
11	 105° to 114°	ESE	30	 295° to	304°	
12	 115° to 124°		31	 305° to	314°	
13	 125° to 134°		32	 315° to	324°	NW
14.	 135° to 144°	SE	33	 325° to	334°	
15	 145° to 154°		34	 335° to	3440	NNW
16	 155° to 164°	SSE	35	 345° to	354°	
17	 165° to 174°		36	 355° to	4.	N.
18	 175° to 184°	\$	99	 Variable	or ur	known

EATHER
3
NUMERICAL WEATHER CODES-PRESENT WEATHER
CODE
WEATHER
CAL
NUMER
7.
ABLE
3

Duststom or and Islam sight of or at station during pest	funnel cloud(s) within sight during past	79 Thunderstorn (with or without precipital (with NOT at time of observation)	39 Heavy drifting snow.	49 For depositing remaining for the stay and descended.	59 Drizzie and rain.	Rain or drizzle and snow, moderate or heavy.	79 Ice pollets (sleet. U. S. definition).	Sight shower(s) of has, with or without fain or rain and show with flumed, not associated with flumder.	Heavy thunderstorm with hail at time of observation.
Well developed dust	·18 Squal(s) within sight during past hour.	28 Fog during past hour, but NOT at time of observation.	38 Sight or moderate driffing snow, generally hign.	48 Fog. depositing rame. sky discernible.	58 Drizzie and rain.	68 Rain or drizzle and snow, slight.	78 crystals (with or without to 100).	Moderate or heavy shower(s) of soft or small hai with or with- out rain or rain and snow mused.	98 Thunderstorm com- bined with dustation or sandstorm at time of
Dust or sand resed by wind, at time of	Thunder heard, but no precipitation at the	Showers of hail, or of hail and rain, during past hour, but NOT at time of observation.	Heavy driffing snow generally low.	Fog. sky NOT discernible. has begun or become thicker during	S7 Moderate or thick freezing drizzle.	67 Moderate or heavy freezing rain.	Granular snow (with of without fog).	Slight shower(s) of soft or small hall with or without rain or rain and show massel.	97 Heavy thunderstorm. whose hall but with ten and/or show at time of observation.
Widespread dust in suspension in the air. NOT raised by wind, at time of observation.	Precipiation within Thurder hand, and a station, as to but station.	Showers of snow, of of rain and snow, during past hour, but NOT at time of observation.	36 Slight or moderate drifting snow, generally low,	46 Fog. sky discernible. has begun or become thicker during pass hour.	Sight frezing druzte.	66 Slight freezing rain.	76 Ice needles (with or enthout tog).	86 Moderate of heavy from showeds).	Sight or moderate hunderstern, with has it time of observation.
50 S0	Precipitation within 15.88 for the 15.88 for	Showers of rain during pass hour, but NOT at time of observation.	Sever dustsom or sandstorm; has in- cressed during past	Fog sky NOT discen-	Continuous derzie (NOT freezing), thick at time of observation	Continuous rain (NOT treezing), heavy at time of observation.	Continuous fall of snowlakes. heavy at time of observation.	BERT STOWN STOWNER(S).	Sight or mod. thun- but with tan and/or. Now at time of
Visibility reduced by smoke.	Precipitation within sight, but NOT reaching the ground.	Freezing drizzle or freezing an integral during a past nowers) during a past now rou Not at time of observation	Severe dustatorm or sandstorm, no appreci- able change during past	fog, say discernible, no appreciable change during past nour.	Intermitent drizzle (NOT freezing), then at time of observation	64 Intermittent rain (NOT treazing), heavy at time of observation.	74 Intermittent fall of snowflakes, heavy at it time of observation.	Woderste or heavy Signow mised.	Mod. or heavy snow real and show mused of that at time of ob it at hour, but NOT at me of observation.
Clouds generally forming or developing	Lighting visible, no hunder heard.	Rain and snow (NOT falling as showers) during past hour. but NOT at time of observation.	Saves dusstom or sandstorm, has de creased during past hour.	Fog. sty NOT discorn tible, has become time ner during past hour.	Continuous drizzie (NOT freezing), moder- ate at time of ob.	Continuous rain (NOT freezing), moderate at time of observation.	Continuous fall of snowfakes, moderate at time of observation.	Sight shower(s) of an and snow mixed.	State snow of rain of snow missed or had of snow missed or had of the snow for the state of the snow, but not at one of observations.
	More or less contin- ous shalow fog at sta- on. NOT deeper than 6	22 now (NOT failing as wers) during past ir. but NOT at time baservation.	32 Sight or moderate uststormorsandstorm as increased during	for sty discernition in the style of the sty	Intermitent drizzie (NOT freezing) moder (ate at time of ob.	62 Intermite and of coats at the	72 Intermittent fall of sange flakes, moderates	Wiolent rain shown	Moderate of heavy an at time of obs hunderstorm during ast hour, but NOT all if me of observation.
Courts generally des State of say on the state developee during ing past four.	Pakhes of shallow fog at statron, NOT u deeper than 6 feet on its	Ran (NOT freezing s andROT saling as show sho ers) during mast hour hou but NOT at time of ob of	Sight or moderate lustsformer sandsform or appreciable change lunng past hour.	41 Fag in patches.	Continuous drizzie NOT freezings sight at (c) me of observation.	61 Centhuous san (NOT freezing), slight at time (d of observation.	Continuous fall of snowflates, sight ac	Moderate or heavy	Sight ran at time of Mode Sight ran at time of Mode of New Spate new, but NOT throat a at time of esservation, past h
Cloud development NOT observed or NOT observable during past is	O #	Druzze (NOT freezing andNOTaling as show est) during past hour. out NOT at time of on	Sign or moderate dustitionno randstorm of has decreased during in	fog at distance at time of observation, but got at station during past now.	50 51 Intermitent drizzie Contrucus drizzie (NOT freezing) siejfri at(NOT freezing) siejfri at time of observation.	Intermittent rain (NOT freezing), slight fr	70 Intermitent for of the of t	80 Sept ran anounts).	06

TABLE 3. CLOUD TYPE

Code

- O Stratus or Fractostratus
- 1 Cirrus
- 2 Cirrostratus
- 3 Cirrocumulus
- 4 Altocumulus
- 5 Altostratus
- 6 Stratocumulus
- 7 Nimbostratus
- 8 Cumulus or Fractocumulus
- 9 Cumulonimbus

TABLE 4. CLOUD AMOUNT

Code

- 0 No clouds
- 1 Less than 1/10 or 1/10
- 2 2/10 and 3/10
- 3 4/10
- 4 5/10
- 5 6/10
- 6 7/10 and 8/10
- 7 9/10 and 9/10 plus
- 8 10/10
 - 9 Sky obscured

TABLE 5. SEA AMOUNT

	Mean Max. Height of Sea Waves	
Code	in feet (Approx.)	Description
0	0 1 40000	Calm (glassy)
1	0 - 1/3	Calm (rippled)
2	1/3 - 1 2/3	Smooth (wavelets)
3	1 2/3 - 4	Slight
4	4 - 8	Moderate
5	8 - 13	Rough
6	13 - 20	Very rough
7	20 - 30	'High
8	30 - 45	Very high
9	over 45	Phenomenal ⁺

⁺ As might be expected in center of hurricane

TABLE 6. SWELL AMOUNT

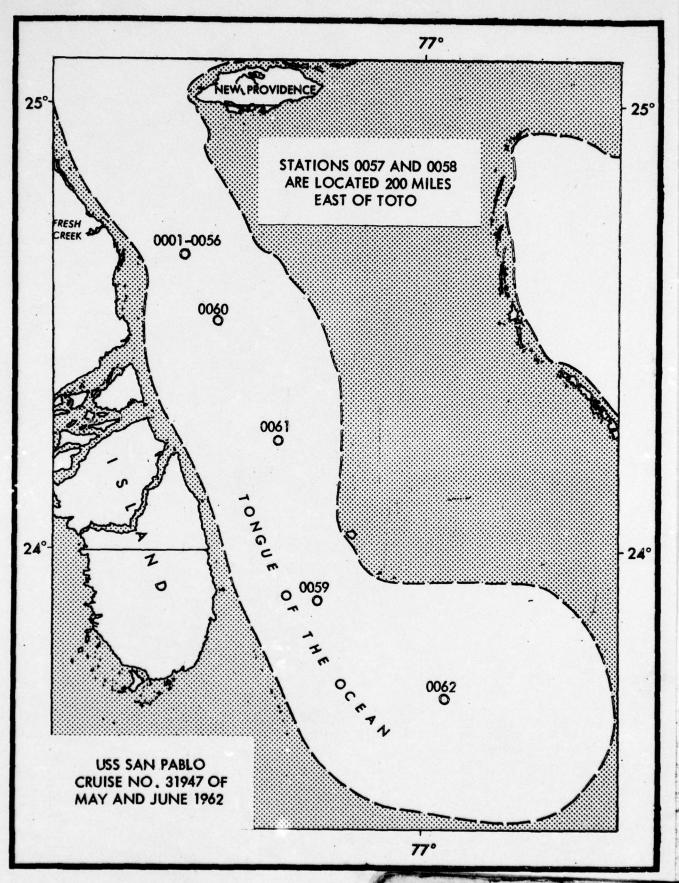
Code	Approximate Height (feet)	Descrip	otion	Approximate Length (feet)
0		No sw		
1	1 to 6	Low swell	Short or Average	0-to 600
2	70 N w		Long	Above 600
3			Short	0 to 300
4	6 to 12	Moderate	Average	300 to 600
		the president	Long	Above 600
6			Short	0 to 300
7	Greater	High	Average	300 to 600
8	than 12		Long	Above 600
9		Confus	ed	

TABLE 7. VISIBILITY

Code		
0	Dense fog 50	yards
1	Thick fog 200	yards
2	Fog 400	vards
3	Moderate fog 1000	yards
4	Thin fog or mist 1	mile
5	Visibility poor 2	miles
6	Visibility moderate 5	miles
7	Visibility good 10	miles
8	Visibility very good 30	miles
9	Visibility excellent Over 30	

TABLE 8. WATER COLOR

Code (Percent yellow)	Description
00	Deep blue
10	Blue
20	Greenish-blue (or green blue)
30	Bluish-green (or blue green)
40	Green
50	Light Green
60	Yellowish-green
70	Yellow green
80	Green yellow
90	Greenish-yellow
99	Yellow



					SURFACI	OBSE	RVATIONS						
NODC REF.	STATION							P	OSITION			SONIC	MAX.
NO.		MO.	DAY	YEAR	HOUR	LA	TITUDE	LON	GITUDE		UNCORRECTED	DEPTH	
31947	0001	05	20	1962	22	24	40 N	077	35	W	1850	18	

WIND		ANEMO.	AIR	AIR TEMP	ERATURE	HUMID.	WEATHER	CLC	DUD	S	EA	SEA		SEA		LL	VIS.	WATER	
SPEED	DIR.	HGT.	PRESS	DRY ¥	WET *	ITY	WEATHER	TYPE	AMT.	DIR.	AMT.	DIR.	AMT.	COL	TRANS.				
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0000	25	61	36	51	24	31	1			5045	7					
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00201	25	02	36	53	24	51	b	071	100	5042	4					
00301	24	80	36	55	24	59	0	105	100	5041	3					
0040	24	61	36	58	24	67	1		31	5040	5					
0050	24	52	36	65	24	75	0	170		5040	6					
0075	24	30	36	74	24	89	0	250		5040	5					
0075	24	30	36	74	24	89	1			5040	5					
0100	24	11	36	71	24	92	0	327		5040	3					
0100	24	11	36	71	24	92	1			5040	3					
0150	24	02	36	90	25	09	0	477		5043	0					
0150	24	02	36	90	25	09	1		0.00	5043	0					
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					SURFACE	OBSE	RVATIONS				
NODC REF.	STATION	DATE					PO	BITION		SONIC	MAX.
NO.	STATION	MO.	DAY	YEAR	HOUR	LAT	ITUDE	LON	GITUDE	UNCORRECTED	DEPTH
31947	0002	05	21	1962	01	24	40'N	077	35 W	1850	18

WIND		ANEMO.	AIR	AIR TEMP	ERATURE	ERATURE HUMID WEATHER		QUO	SEA		SEA		SWE	LL	·me	w	ATER
SPEED	DIR.	HGT.	PRESS	DRY 🖤	WET V	ITY	WEATHER	TYPE	AMT.	DIR.	AMT.	DIR.	AMT.	15.	COL.	TRANS.	
04	09		16	24 0	19 8		02	6	1	08	2			7			

04 09	_	16	24 ()]]	9 8		10	2 6	1	08	2	_		7
	-					SUBSUR	FACE	OBSER	VAT	IONS				
		SAMPLE DEPTH (M)	Tº	ç ·	8	% o	σ 1	+		ΣΔΟ	Ó.,	m 1/1	V _f	+
STD	DBS DBS DBS DBS DBS DBS	0000 0000 0010 t 0020 t 0030 t 0040 0050 0075 0100 0150 0175 0200 t 0250 t 0300 t 0400 t 0600 t 0800 t 1000 1200 1300 1500 1500 1500 1500 1600 t 1600	25 25 25 24 24 24 24 24 24 24 24 24 24 24 24 26 30 30 30 30 30 30 30 30 30 30 30 30 30	30 14 99 84 71 53 13 35 10 10 60 77 60 60 77 77 77 78 78 78 78 78 78 78 78 78 78	333333333333333333333333333333333333333	49 49 50 51 57 70 83 89 90 89 86 144 135 625 99 99 99 99 99 99 99 99	24 24 24 24 24 24 24 24 24 25 25 25 26 26 27 27 27 27 27	4050559968644 07775665273569969	0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	035 070 .04 .71 .251			5044211 5044211 504421 50044 50044 50044 50044 50044 50044 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 5004 50	36040455666644323564008

					SURFACI	E OBSER	VATIONS				
NODC REF.	EF. STATION										MAX.
NO.	STATION	MO.	DAY	YEAR	HOUR	LATI	TUDE	LON	GITUDE	UNCORRECTED	SAMPLE DEPTH
31947	0003	05	21	1962	04	24	40 N	077	35 W	1850	18

W	IND	ANEMO.	AIR	AIR TEMP	ERATURE	HUMID-	WEATHER	CLC	OUD	. SI	EA	SWE	LL		W	ATER
SPEED	DIR.	HGT.	PRESS	DRY *	DRY WET WET	ITY			AMT.	DIR.	AMT.	DIR.	AMT.	VIS.	COL.	TRANS.
04	07		17	23 6	19 7		02	0	0	08	2	-27		7		

STD OBS	SAMPLE (PPTH (M)) (0000 (0000 (010† (020† (030† (040) (050) (075) (075) (100)	25 25 25 25 24 24 24 24 24 24	13 13 04 96 88 80 64 56	36 36 36 36 36 36	%0 49 49 49 48 48	24 24 24 24 24 24	45 45 48 49	0 000 0 035 0 069	O₂m 1/1	5042 0 5042 0
OBS	0000 0010† 0020† 0030† 0040 0050	25 25 24 24 24 24 24	13 04 96 88 80 64	36 36 36 36 36	49 49 48 48 48	24 24 24 24	45 48 49	0 035		
OBS	010† 020† 030† 040 050 075	25 25 24 24 24 24 24	04 96 88 80 64	36 36 36 36	49 48 48 48	24 24 24	48	The same of the sa		5042 0
STD OBS	020† 030† 040 050 075	24 24 24 24 24	96 88 80 64	36 36 36	48 48 48	24	49	The same of the sa		
OBS OBS O	030 f 040 050 075	24 24 24 24	88 80 64	36 36 36	48	24		0 060		5041 8
OBS OBS O	030 f 040 050 075	24 24 24	80 64	36	48			0 007		5041 7
STD OBS OBS OBS OBS	050 075 075	24 24	64	36		1000	52	0 104		5041 6
OBS O	075 075	24	11000000		100	24	54			5041 6
OBS O	075	V 30 1	56		58	24	66	0 171		5041 2
OBS 0		24		36	81	24	86	0 252		5042 8
085 0	100	-	56	36	81	24	86	100 8		5042 8
		24	93	37	03	24	92	0 330		5047 8
	100	24	43	31	03	24	92	L		5047 8
	150	23	94	36	91	25	12	9 479		5042 4
	150	23	94	36	91	25	12			5042 4
	175	22	69	36	85	25	45			5033 4
	200	20	44	36	63	25	90	9 607		5014 8
	200	20	44	36	63	25	9.0			5014 8
	225	19	53	36	58	26	11			5007 8
	250	18	83	36	53	26	25	0 708		5002 5
	250	18	83	36	53	26	25	200		5002 5
	300	18	08	36	45	26.	38	0 799		4997 9
AND DESCRIPTION OF THE PARTY OF	300	18	66	36	45	26	38	0 966		4988 9
	500	16	71.	35	98	26	81	0 966		4973 3
	500	14	71	35	98	26	81	1 115		4973 3
	600	12	23	35	59	27	02	1 245		4950 2
	600	12	23	35	59	27	02			4950 2
	650	11	06	35	44	27	13		200	4938 9
	700	10	30	35	35	27	19			4932 4
	750	09	32	35	25	27	28			4922 9
	800	08	67	35	20	27	35	1 455		4917 5
	800	08	67	35	20	27	35			4917 5
	000	05	29	35	05	27	70	1 597		4884 4
	000	05	29	35	05	27.	70			4884 4
STD 1	200	04	53	35	01	27	76	1 698		4884 9
OBS 1	300	04	24	34	99	27	77			4886 3
5TD 1	500	03	82	34	97	27	80	1 836		4891 5
OBS 1	800	03	60	34	97	27	82	Editor I	0.1	4905 0

					SURFACI	E OBSE	RVATIONS				
NODC REF.	STATION			DATE		SONIC	MAX.				
NO.	SIRTION	MO.	DAY	YEAR	HOUR	LA	TITUDE	LON	IGITUDE	UNCORRECTED	DEPTH
31947	0004	05	21	1962	07	24	40'N	077	35 W	1850	18

W	IND	ANEMO.	AIR	AIR TEMP	PERATURE	HUMID.		CLC	que	5	EA.	SWE	LL		w	ATER
SPEED	DIR.	HGT.	PRESS	DRY *	WET *	ITY	WEATHER	TYPE	AMT.	DIR.	AMT.	DIR.	AMT.	VIS.	COL.	TRANS.
02	12		16	23 8	20 4		01	8	2	08	2			7		

					SUBSU	RFACE	OBSE	RVATIONS		
	SAMPLE DEPTH (M)	7	°¢	9	% o ♦	•1	+	ΣΔD	0:m1/1	V1 1
STD	0000	25	08	36	53	24	49	0 000		5041
OBS	0000 .	25	08	36	53	24	49			5041
STD	00101	24	91	36	52	24	52	0 034		5041
STD	00201	24	88	36	51	24	54	0 069		5041
STD	00301	24	81	36	51	24	56	0 103		5041
OBS	0040	24	76	36	50	24	57.	THE PARTY		5041
STD	0050	24	75	36	62	24	00	0 170		5042
STD	0075	24	74	36	85	24	84	0 250		5044
OBS	0075	24	74	36	85	24	84			5044
STD	0100	24	74	36	98	24	94	0 328		5046
OBS	0100	24	74	36	98	24	94			5046
STD	0150	24	06	36	75	125	12	U 478		5043
OBS	0150	24	06	36	95	25	12	100		5043
OBS	0175	22	34	36	85	25	55			5030
STD	0200	20	68	36	64	25	85	0 607		5016
085	0200	20	68	36	64	25	85			5016
OBS	0225	19	50	36	56	26	10			5007
STD	0250	18	79	36	53	26	26	0 709	1500	5002
OBS	0250	18	79	36	53	26	26			5002
STD	0300	18	10	36	45	26	37	0 799		4998
OBS	0300	18	10	36	45	26	37			4998
STD	0400	16	62	36	25	26	58	0 967		4988
STD	0500	14	67	35	93	26	78	1 118		4972
OBS	0500	14	57	35	93	26	78			4972
STO	0600	12	24	35	49	26	94	1 254		4949
OBS	0600	12	24	35	49	26	94			4949
OBS	0650	11	38	35	51	27	12			4942
OBS	0700	10	29	35	35	27	19			4932
OBS	0750	09	39	35	26	27	28			4923
STD	0800	08	67	35	21	27	35	1 470	100	4917
085	0800	08	67	35	21	27	35			4917
STD	1000	05	27	35	03	27	69	1 612		4884
OBS	1000	05	27	35	03	27	69		100	4884
STD	1200	04	47	35	00	27	76	1 714		4884
OBS	1300	04	16	34	99	27	78			4885
The state of the same of								1 821		4890
OBS	1800	03	57	34	96	21	82	P 08		4904
OBS	1500	03	74 57	34	97 96	27	81 82	1 851		1

					SURFAC	E OBSE	RVATIONS				
NODC	EF. STATION										MAX.
NO.	STATION	MO.	DAY	YEAR	HOUR	LA	TITUDE	LON	GITUDE	SONIC DEPTH UNCORRECTE	DEPTH
31947	0005	05	21	1962	10	24	40 N	077	35 W	1850	18

w	IND	ANEMO.	AIR	AIR TEMP	ERATURE	HUMID.	WEATHER	cro	OUD	. 5	EA	SWE	u			ATER
SPEED	. DIR.	HGT.	PRESS	DRY *	WET *	ITY	WEATHER	TYPE	AMT.	DIR.	AMT.	DIR.	AMT.	VIS.	COL.	TRANS.
00	00		13	23 3	19 9		01	8	1	00	100			7		

					SUBSUR	FACE	OBSE	RVA	TIONS		
1	SAMPLE DEPTH (M)	7	°¢		**	•1	+	L	¥ 2 40	0:m1/1	v, +
STD	0000	25	05	36	51	24	49	6	000	Pai	5041 4
OBS	0000	25	05	36	51	24	49	1		8	5041 4
STD	00101	24	82	36	52	24	56	b	034	1 1 1 1	5040 2
STD	00201	24	74	36	53	24	60	6	068		5040 2
STD	00301	24	68	36	54	24	62	6	101	To real	5040 3
OBS	0040	24	64	36	55	.24	64	Γ		1	5040 6
STD	0050	25	09	36	84	24	72	b	167	1020	5045
STD	0075	25	38	37	15	124	87	6	247	100	5050 4
OBS	0075	25	38	37	15	24	87	1	-71		5050 4
STD	0100	24	47	36	86	24	93	6	324	1,31,54	5043 6
OBS	0100	24	47	36	86	24	93	٢	224		5043 6
	A CONTRACTOR OF THE PARTY OF TH		93	36	93	25	14	6	474		5042 4
STD	0150	23	93	36	93	25	14	٢			5042 4
OBS	0150	23					1.000	1			5037
OBS	0175	23	15	36	98	25	41	h	401		5015
STD	0200	20	52	36	63	25	88	1	601		
OBS	0200	20	52	36	63	25	88				5015
OBS	0225	19	79	36	60	26.	06	1			5010 2
STD	0250	18	88	36	53	26	24	p	703		5003
OBS	0250	18	88	36	53	26	24	1			5003
STD	0300	18	18	36	46	26	36	0	794		4998 9
OBS	0300	18	18	36	46	26	36				4998 9
STD	0400	15	86	36.	25	26	76	0	954		4980 8
STD	0500	13	88	35	96	26	97	1	087	0.00	4964 4
OBS	0500			35	96			-			
STD	0600	12	24	35	59	27	02	1	210	100	4950 3
OBS	0600	12	24	35	59	27	02			100	4950 3
OBS	0650	11	55	35	49	27	07	1		100	4944 8
OBS	0700	10	43	35	36	27	18	1		007	4934
OBS	0750	09	70	35	29	27	25	1		24	4927 7
STD	0800	08	78	35	20	27	33	1	421		4918 9
OBS	0800	08	78	35	20	27	33	-			4918 9
STD	1000	05	23	35	03	27	69	1	260		4883
OBS	1000	05	23	35	03	27	69	-			4883
	1200	04	43	35	00	27	76	1	666	e enc	4883
ODE	1300	04	12	34	99	27	79	-	300	1	4884
OBS		03	70	34	98	27	82	1	800		4889
ODS	1500 1800	03	54	34	97	27	83	-	000		4904
OBS	1000	03	, ,4	1"	71	21	05	1			1,04
						AIS		1			
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						No.		1			
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		4						1			
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								1			

				A NAME OF	SURFACE	OBSE	RVATIONS				
NODC REF.	STATION		F 11	DATE			PC	SITION		SONIC	MAX.
NO.	STATION	MO.	DAY	YEAR	HOUR	LA	TITUDE	LON	IGITUDE	UNCORRECTED	DEPTH
31947	0006	05	21	1962	13	24	40 N	077	35 W	1850	18

w	IND	ANENO.		AIR TEMP	PERATURE	HUMID-	WEATHER	CLC	QUO	S	EA .	SWE	LL		W	ATER
SPEED	DIR.	HGT.	PRESS	DRY 🖤	WET *	ITY	WEATHER	TYPE	AMT.	DIR.	AMT.	DIR.	AMT.	VIS.	COL.	TRANS.
00	00		16	25 0	20 8		01	8	2	00	0			7		

SAMPLE DEPTH (M) 0000 0000 0010† 0020† 0030† 0040	25 25 24 24	°¢	36	% o ♦	σt.	+	ΣΔΟ	Ozm I/I	V. +
0000 0010† 0020† 0030†	25 24		36						
0010† 0020† 0030†	24	08		50	24	47	0 000		5041 6
0020† 0030†			36	50	24	47			5041 6
00301	24	83	36	52	24	56	0 034		5040 3
	-	66	36	54	24	63	0 068		5039 6
0040	24	57	36	51	24	63	0 101		5039 3
	24	55	36	57	24	68			5040 0
0050	24	92	36	77	24	72	0 167		5044 1
0075	25	11	37	00	24	84	0 247	The state of	5047 7
0075	25	11	37	00	24	84			5047 7
	1000	-000	0.000				0 324		5042 0
									5042 0
		-					0 4/3	A Mes	5043 2
							0 602	1 151	5036 1
			C. Parkerson Co.				0 002	100	5017 3
			N. Tillian					311	5006 7
							0 704		5002
			March 1		1		0 .04	47.5	5002 0
			-			-	0 795		4998 7
	The second second	10000	2785 10 -		1				4998 7
and the second	1000	1000					0 966		4991 7
					A comment				4976 3
		100		99		100000000000000000000000000000000000000			4976 3
0600	12	33	35	60	27	01	1 255		4951 4
0600	12	33	35	60	27	01			4951 4
0650	11	42	35	48	27	09			4943 3
0700	10	49	35	37	27	17			4934 7
0750	09	80	35	29	27	23	and the second		4928 9
0800	08	95	35	22	21	32	1 469		4921 0
0800	80	95	35	22	27	32	E 21 1/2		4921 0
1000	05	29	35	04		69	1 615		4884 3
1000	05		35	04					4884 3
1200	04		The second				1 716	No.	4884 0
1300							(1 to 1) A	201	4885 1
	100000000000000000000000000000000000000	(c)(b)(c)			1	100 CH 27 CH	1 852		4890 0
1800	03	54	34	96	27	82			4904 2
1800	03	54	34	96	27	82	1 652		
	0100 0100 0150 0150 0200 0220 0250 0250	0100	0100	0100 24 27 36 0100 24 27 36 0150 24 03 36 0150 24 03 36 0175 22 93 36 0200 20 72 36 0200 20 72 36 0225 19 41 36 0250 18 77 36 0300 18 16 36 0300 18 16 36 0400 16 94 36 0500 15 00 35 0500 15 00 35 0600 12 33 35 0650 11 42 35 0700 10 49 35 0800 08 95 35 0800 08 95 35 1000 05 29 35 1000 05 29 35 1200 04 47 35 1300 04 15 34 1500 37 34	0100 24 27 36 83 0100 24 27 36 83 0150 24 03 36 95 0150 24 03 36 95 0175 22 99 36 91 0200 20 72 36 64 0200 20 72 36 64 0225 19 41 36 57 0250 18 77 36 52 0300 18 16 36 46 0300 18 16 36 46 0400 16 94 36 28 0500 15 00 35 99 0500 15 00 35 99 0600 12 33 35 60 0650 11 42 35 48 0750 09 80 35 29 <td>0100 24 27 36 83 24 0100 24 27 36 83 24 0150 24 03 36 95 25 0150 24 03 36 95 25 0175 22 99 36 91 25 0200 20 72 36 64 25 0200 20 72 36 64 25 0225 19 41 36 57 26 0250 18 77 36 52 26 0250 18 77 36 52 26 0250 18 77 36 52 26 0300 18 16 36 46 26 0300 18 16 36 46 26 0300 15 00 35 99 26 0500 15 00</td> <td>0100 24 27 36 83 24 97 0100 24 27 36 83 24 97 0150 24 03 36 95 25 13 0150 24 03 36 95 25 13 0175 22 99 36 91 25 40 0200 20 72 36 64 25 84 0200 20 72 36 64 25 84 0225 19 41 36 57 26 13 0250 18 77 36 52 26 26 0250 18 77 36 52 26 26 0300 18 16 36 46 26 37 0300 18 16 36 46 26 37 0400 16 94 36 28</td> <td>0100 24 27 36 83 24 97 0 324 0100 24 27 36 83 24 97 0 324 0150 24 03 36 95 25 13 0 473 0150 24 03 36 95 25 13 0 473 0150 24 03 36 95 25 13 0 473 0150 24 03 36 95 25 13 0 473 0200 20 72 36 64 25 84 0 602 0200 20 72 36 64 25 84 0 602 0250 18 77 36 52 26 26 06 0 704 0250 18 77 36 52 26 26 26 07 0 795 0300 18 16 36 46 26 37 0<!--</td--><td>0100 24 27 36 83 24 97 0 324 0100 24 27 36 83 24 97 0 324 0150 24 03 36 95 25 13 0 473 0150 24 03 36 95 25 13 0 473 0150 24 03 36 95 25 13 0 473 0150 20 72 36 64 25 84 0 602 0200 20 72 36 64 25 84 0 602 0250 18 77 36 52 26 26 0 0 0 704 0250 18 77 36 52 26 26 0 0 704 0 795 0 300 18 16 36 46 26 37 0 795 0 300 18 16 36 46 26</td></td>	0100 24 27 36 83 24 0100 24 27 36 83 24 0150 24 03 36 95 25 0150 24 03 36 95 25 0175 22 99 36 91 25 0200 20 72 36 64 25 0200 20 72 36 64 25 0225 19 41 36 57 26 0250 18 77 36 52 26 0250 18 77 36 52 26 0250 18 77 36 52 26 0300 18 16 36 46 26 0300 18 16 36 46 26 0300 15 00 35 99 26 0500 15 00	0100 24 27 36 83 24 97 0100 24 27 36 83 24 97 0150 24 03 36 95 25 13 0150 24 03 36 95 25 13 0175 22 99 36 91 25 40 0200 20 72 36 64 25 84 0200 20 72 36 64 25 84 0225 19 41 36 57 26 13 0250 18 77 36 52 26 26 0250 18 77 36 52 26 26 0300 18 16 36 46 26 37 0300 18 16 36 46 26 37 0400 16 94 36 28	0100 24 27 36 83 24 97 0 324 0100 24 27 36 83 24 97 0 324 0150 24 03 36 95 25 13 0 473 0150 24 03 36 95 25 13 0 473 0150 24 03 36 95 25 13 0 473 0150 24 03 36 95 25 13 0 473 0200 20 72 36 64 25 84 0 602 0200 20 72 36 64 25 84 0 602 0250 18 77 36 52 26 26 06 0 704 0250 18 77 36 52 26 26 26 07 0 795 0300 18 16 36 46 26 37 0 </td <td>0100 24 27 36 83 24 97 0 324 0100 24 27 36 83 24 97 0 324 0150 24 03 36 95 25 13 0 473 0150 24 03 36 95 25 13 0 473 0150 24 03 36 95 25 13 0 473 0150 20 72 36 64 25 84 0 602 0200 20 72 36 64 25 84 0 602 0250 18 77 36 52 26 26 0 0 0 704 0250 18 77 36 52 26 26 0 0 704 0 795 0 300 18 16 36 46 26 37 0 795 0 300 18 16 36 46 26</td>	0100 24 27 36 83 24 97 0 324 0100 24 27 36 83 24 97 0 324 0150 24 03 36 95 25 13 0 473 0150 24 03 36 95 25 13 0 473 0150 24 03 36 95 25 13 0 473 0150 20 72 36 64 25 84 0 602 0200 20 72 36 64 25 84 0 602 0250 18 77 36 52 26 26 0 0 0 704 0250 18 77 36 52 26 26 0 0 704 0 795 0 300 18 16 36 46 26 37 0 795 0 300 18 16 36 46 26

					SURFACI	E OBSE	RVATION	s			
NODC REF.	STATION			DATE				POSITION		SONIC	MAX.
NO.	SIATION	MO.	DAY	YEAR	HOUR	LAT	ITUDE	LON	GITUDE	UNCORRECT	D DEPTH
31947	0007	05	21	1962	16	24	40 N	077.	35	W 1850	18

w	IND	ANEMO.	AIR	AIR TEMP	ERATURE	HUMID-	WEATHER	CLC	OUD	S	EA	SWE	LL		W	ATER
SPEED	DIR.	HGT.	PRESS	DRY *	WET *	ITY			AMT.	DIR.	AMT.	DIR.	AMT.	VIS.	COL.	TRANS.
00	00		17	28 3	22 2		02	6	2	00	0			7		

				1/1-3/	SUBSU	RFACE	OBSE	RVA	ATIONS			
	SAMPLE DEPTH (M)	7	°¢	8	% o ♦	-1	+		¥ ΣΔD	0:m1/1	Vı	+
STD	0000	25	52	36	,50	24	33	0	000		504	
OBS		25	92	36	50	24	33	1			504	
STD	00101	25	27	36	52	24	43	þ	036		5043	
STD	00201	25		36	53	24	49	1	070	100	5042	
STD	00301	24	99	36	55	24	54	þ	105		5042	13
OBS	Control of the Contro	24		36	56	24	25				504	_
STD	0050	25		36	84	24	64	-	172		504	
STD	0075	25		37	12	24	63	P	253		1050	
OBS	0075	25		37	12	24	83	L	201	_	5050	1000
STD	0100	24		36	77	24	93.	þ	331		5041	
OBS	0100	. 24		36	77	24	93	L			5041	
STD	0150	23	63	36	93	25	23	P,	478		5040	0
OBS	0150			36	93			1			= 0.01	
OBS	0175	22		36	82	25	49	1			5031	
STD	0200	20		36	65	25	85	P	604		5017	_
OBS	0200	20		36	65	25	85	1			5017	- 37
OBS	0225	19		36	56	26	13				5006	
STD	0250	18	2000	36	51	26	28	P	706		5000	
OBS	0250	18		36	51	26	28	L			5000	
STD	0300	18		36	47	26	40	0	795		4997	
OBS	0300	18		36	47	26	40	1			499	-
STD	0400	16		36	25	26	57		962		4989	_
STD	0500	14	81	35	96	26	77	1	115		4974	
OBS	0500	14	81	35	96	26	77	1			4974	100
STD	0600	12		35	61	27	00	1	248		4952	
OBS	0600	12	44	35	61	27	00	1			4952	
OBS	0650	11	41	35	49	27	10				4943	_
OBS	0700	10	59	35	39	27	17	1			4936	100
OBS	0750	09		35	29	27	26	1	441		4927	
STD	0800	08		35	22	27	33	1	461			
OBS	0800	.08	-	35	22	27	33				4919	
STD	1000	05		35	05	27	69	1	606		4885	
OBS	1000	05		35	05	27	69	1	700		4885	
STD	1200	04	52	35	01	27	76	1	708			
OBS	1300	04		34	99	2.7	78				4885	
STD	1500	03		34	99	27	83	1	842		4890	
OBS	1800	03	59	34	98	27	83				4905	0
				· W				1				
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Section 1								1				
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					SURFACE	OBSER	VATIONS				
NODC REF.	STATION		1	DATE			PO	SITION		SONIC	MAX.
NO.	STATION	MO.	DAY	YEAR	HOUR	LAT	ITUDE	LONG	SITUDE	UNCORRECTED	DEPTH
31947	8000	05	21	1962	19	24	40'N	077	35 W	1850	18

W	IND	ANEMO.		AIR TEM	PERATURE	HUMID-	WEATHER	CLC	OUD	S	EA ·	SWE			ATER
SPEED	DIR.	HGT.	PRESS	DRY 🖤	WET ¥	ITY	WEATHER	TYPE	AMT.	DIR.	AMT.	DIR.	AMT.	VIS.	TRANS.
03	18		16	28 3	22 2		01	8	1	12	1			7	

OBS 0000 26 10 36 54 24 18 0 037 5049 TD 00101 25 65 36 56 24 34 0 037 TD 00201 25 31 36 58 24 46 0 072 TD 00301 25 08 36 55 24 51 0 107 OBS 0040 24 97 36 62 24 59 TD 0050 25 37 36 90 24 68 0 174 TD 0075 25 45 37 16 24 86 0 255 TD 0075 25 45 37 16 24 86 0 255 TD 0100 24 20 36 80 24 96 TD 0150 23 98 37 02 25 20 OBS 0200 20 75 36 69 25 87 OBS 0200 20 75 36 69 25 87 OBS 0225 19 41 36 60 26 15 TD 0250 18 67 36 53 26 29 TD 0300 17 98 36 46 26 41 OBS 0300 17 98 36 46 26 41 OBS 0500 17 98 36 46 26 41 OBS 0500 17 98 36 46 26 41 OBS 0500 10 58 35 41 27 19 OBS 0600 12 36 35 63 27 03 OBS 0600 12 36 35 63 27 03 OBS 0600 12 36 35 63 27 03 OBS 0600 12 36 35 63 27 29 OBS 0700 10 58 35 41 27 19 OBS 0700 10 58 35 41 27 19 OBS 0700 07 58 35 35 27 78 OBS 0800 08 74 35 25 27 38 OBS 1000 05 35 35 15 27 77 OBS 1000 05 35 35 15 27 77 OBS 1300 04 13 35 04 27 83 OBS 1500 03 70 35 00 27 84 1 776 4884						SUBSUF	RFACE	OBSER	RVA	TIONS			
OBS 0000 26 10 36 54 24 18 0 037 5049 TD 00101 25 65 36 56 24 34 0 037 TD 00201 25 31 36 58 24 46 0 072 TD 00301 25 08 36 55 24 51 0 107 OBS 0040 24 97 36 62 24 59 TD 0050 25 37 36 90 24 68 0 174 TD 0075 25 45 37 16 24 86 0 255 TD 0075 25 45 37 16 24 86 0 255 TD 0100 24 20 36 80 24 96 TD 0150 23 98 37 02 25 20 OBS 0200 20 75 36 69 25 87 OBS 0200 20 75 36 69 25 87 OBS 0225 19 41 36 60 26 15 TD 0250 18 67 36 53 26 29 TD 0300 17 98 36 46 26 41 OBS 0300 17 98 36 46 26 41 OBS 0300 17 98 36 46 26 41 OBS 0500 35 99 TD 0400 16 25 36 27 26 68 0 957 OBS 0500 070 070 08 0700 070 08 0700 070 070 070 OBS 0700 070 070 070 070 070 OBS 0700 070 070 070 070 070 070 070 OBS 0700 070 070 070 070 070 070 070 OBS 0700 070 070 070 070 070 070 070 OBS 0700 070 070 070 070 070 070 070 070 070 OBS 0700 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070		SAMPLE DEPTH (M)		°c ¥			σt	+	L	ΣΔ Ο	O2m 1/1	Vı	+
OBS 0000 26 10 36 54 24 18 0 037 5049 TD 00101 25 65 36 56 24 34 0 037 TD 00201 25 31 36 58 24 46 0 072 TD 00301 25 08 36 55 24 51 0 107 OBS 0040 24 97 36 62 24 59 TD 0050 25 37 36 90 24 68 0 174 TD 0075 25 45 37 16 24 86 0 255 TD 0075 25 45 37 16 24 86 0 255 TD 0100 24 20 36 80 24 96 TD 0150 23 98 37 02 25 20 OBS 0200 20 75 36 69 25 87 OBS 0200 20 75 36 69 25 87 OBS 0225 19 41 36 60 26 15 TD 0250 18 67 36 53 26 29 TD 0300 17 98 36 46 26 41 OBS 0300 17 98 36 46 26 41 OBS 0300 17 98 36 46 26 41 OBS 0500 35 99 TD 0400 16 25 36 27 26 68 0 957 OBS 0500 070 070 08 0700 070 08 0700 070 070 070 OBS 0700 070 070 070 070 070 OBS 0700 070 070 070 070 070 070 070 OBS 0700 070 070 070 070 070 070 070 OBS 0700 070 070 070 070 070 070 070 OBS 0700 070 070 070 070 070 070 070 070 070 OBS 0700 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070 070	STD	0000	26	10	36	54	24	18	0	000		5049	
TD	The state of the s	0000	100000000000000000000000000000000000000	10	36	54	24	18				5049	
TD	STD	0010†	25	65	36	56	24	34	6	037		5046	
TD	STD			31	100-52-7		1					5044	
TD	STD	00301	25	80	36	55	24	51	0	107		5043	
TD	OBS	0040	24	97	36	62	24	59				5043	
OBS 0075	STD	0050	25	37	36	90	24	68'	0	174		5048	
TD	STD	0075	25	45	37	16	24	86	0	255		5050	
OBS 0100	OBS	0075	25	45	37	16	24	86				5050	
TD	STD	0100	24	20	36	.80	24	95	0	332		5041	
OBS 0150	OBS	0100	24	20	36	80	24	96				5041	
OBS 0175	STD	0150	23	98	37	02	25	20	0	479		5043	
TD	OBS	0150	23	98	37	02	25	20	1			5043	
OBS 0200	OBS	0175	22	58	36.	88	25	50	1			5032	
OBS 0225	STD	0200	20	75	36	69	25	87	0	605			
TD	OBS	0200	20	75	36	69	25	87				5017	
OBS 0250	OBS	0225	19	41	36	60	26	15	1			5006	
TD	STD	0250	18	67	30	53	26	29	0	706		5001	
TD	OBS	0250	18	67	36	53	26	29	1			the second second	
TD	STD	0300	17	98	36	46	26	41	0	795		4997	
TD	OBS	0300	17	98	36	46	26	41				but will be the time of the	
TD 0500 14 37 39 99 26 89 1 097 4969 TD 0600 12 36 35 63 27 03 1 223 4951 OBS 0600 12 36 35 63 27 03 1 223 4951 OBS 0650 11 30 35 49 27 12 4941 OBS 0700 10 58 35 41 27 19 4935 OBS 0750 09 58 35 32 27 29 4926 TD 0800 08 74 35 25 27 38 1 430 4918 TD 1000 05 35 35 15 27 77 1 563 4885 TD 1200 04 46 35 07 27 81 1 652 4884 OBS 1300 04 46 35 07 27 81 1 652 4884 TD 1200 04 46 35 07 27 81 1 652 4884 <td>STD</td> <td>0400</td> <td>16</td> <td>25</td> <td>36</td> <td>27</td> <td>26</td> <td>68</td> <td>0</td> <td>957</td> <td></td> <td>4984</td> <td></td>	STD	0400	16	25	36	27	26	68	0	957		4984	
TD	STD	0500	14	37	39	99	26	89	1	097		4969	
TD	OBS	0500			35	99			1				
OBS 0650	STD	0600	12	36.	35	63	27	03	1	223		-	
OBS 0650	OBS	0600	12	36	35	63	27	03	1				
OBS 0750		0650	11	30	35	49	27	12	1			4941	
TD	OBS	0700	10			41	27	19	1			The second second	
OBS 0800	OBS	0750	09	-	-			29	1				
TD	STD		08			100			1	430		Company of the last of the las	
OBS 1000		0800	1.5		-								
TD 1200 04 46 35 07 27 81 1 652 4884 685 TD 1500 03 70 35 00 27 84 1 776 4890	STD	1000	05		The state of the s	15			-	563		4885	
OBS 1300 04 13 35 04 27 83 4885 TD 1500 03 70 35 00 27 84 1 776 4890	OBS	1000	05	35	35	14*	27	77*	1				
TD 1500 03 70 35 00 27 84 1 776 4890	STD	1200	04	46	35	07	27	81	1	652			
	OBS	1300	04	-				83				Charles Control	
C9S 1800 03 61 34 98 27 83 4905	STD	1500	03 .	70	35	00		84	1	776		100000000000000000000000000000000000000	
		1800	03	61	34	98	27	83				4905	
	STD	1300 1500	04	13 70	35	04	27	83 84				41	885
								٠					

K. T. C. Branch and C. Branch

					SURFACE	E 085E	RVATIONS				
NODC REF. NO.	STATION			DATE			PC	SITION		SORIC	MAX.
NO.	STATION	MO.	DAY	YEAR	HOUR	LA	TITUDE	LON	GITUDE	UNCORRECTED	DEPTH
31947	0009	05	21	1962	22	24	40 N	077	35 W	1850	18

W	IND	ANEMO.	AIR	AIR TEM	PERATURE	HUMID-	WEATHER	CLC	QUO	,5	EA	SWE	LL		w	ATER
SPEED	DIR.	HGT.	PRESS	DRY *	WET *	ITY			AMT.	DIR.	AMT.	DIR.	AMT.	VIS.	COL.	TRANS.
04	14		14	27 5	21 7			8	2	12	1	2/1		7		

				STOCK.	SUBSU	RFACE	OBSE	RVA	TIONS			
	SAMPLE DEPTH (M)	Ţ	°¢		% 0	σt	+	1	ΣΔΟ	02m1/1	V,	
STD	0000	25	70	36	49	24	27	b	000		5046	:
085	0000	25	70	36	49	24	27	1		E4.3	5046	1
STD	00101	25	27	36	50	24	41		036		5043	
STD	00201	24	93	36	52	24	53	0	071		5041	6
STD	00301	24	70	36	57	24	64	0	104		5040	
OBS	0040	24	56	36	63	1 24	73				5040	3
STD	0050	24	76	36	79	1 44	79	0	170		5042	5
STD	0075	24	85	36	99	124	91	0	248		5045	7
OBS		24	85	36	99	24	91	1			5045	1
STD	0100	24	38	36	93	25	01	0	324		5043	2
OBS		24	38	36	93	25	01	1			5043	2
STD	0150	23	97	36	95	25	15	p	471		5042	8
OBS		23	97	36	95	25	15				5042	8
OBS		22	90	36	88	25	41	-			5035	3
STD	0200	20	94	36	68	25	81	P	600		5019	3
ORS		20	94	36	68	25	81				5019	3
OBS		19	47	36	56	26	11	-			5007	3
STD	0250	18	64	36	53	26	30	0	703		5000	8
OBS		18	64	36	53	26	30	-	761		5000	1
STD	0300	17	94	36	46	26	42	0	791		4996	6
OBS		17	94	36	46	26	42	-			4996	
STD	0400	16	46	36	. 23	26	60	1	956		4986	-
STD	0500	14	64.		95	26	80	1	105		4972	4
085		14	64	35	95	26	80				4972	4
STD	0600	12	49	35	63	27	00	1	236		4953	3
OBS		12	49	35	63	27	00				4953	3
085		11	40	35	48	27	09	1		The second	4943	9
	0700	10	59	35	40	27	18				4936	-
OBS		09	70	35	29	27	25				4927	5
STD	0800	08	86	35	22	27	-	1	450		4919	3
OBS	The state of the s	08	86	35	22	27	33 69	1	594		4884	-
STD	1000	05	30	1 DO THE	04	27	69	1	374		4884	4
OBS	The second secon	05	30	35	04	27	77	1	694		4883	-
STD	1200	04		35	100000000000000000000000000000000000000	27	80	-	0,74		4884	-
OBS	1300	04	70	34	98	27	82	1	827		4889	5
STD		03	61	34	97	27	82	1	021		4905	:
083	1000											
	(

					SURFACI	OBSE	RVATIONS				
NODC REF.	STATION			DATE			PC		SONIC	MAX.	
NO.	STATION	MO.	DAY	YEAR	HOUR	LA	TITUDE	LON	IGITUDE	UNCORRECTED	DEPTH
31947	0010	05	22	1962	01	24	40'N	077	35 W	1850	18

W	IND	ANEMO.	AIR	AIR TEMP	ERATURE	HUMID-	WEATHER	CLC	DUD	SI	EA ·	SWE	LL		w	ATER
SPEED	DIR.	HGT.	PRESS	DRY *	WET *	ITY	WEATHER	TYPE	AMT.	DIR.	AMT.	DIR.	AMT.	VIS.	COL.	TRANS.
02	14		15	24 9	20 7		01	6	2	14	1					

	Contract of the Contract of th	La contraction of			SUBSU	TACE	OBSE	77	1110113		
	SAMPLE DEPTH (M)	7 %	Ç.		% o ♦	ot.	*		¥ ∑AD	O₂m 1/1	v, +
STD	0000	25	52	36	52	24	35	0	000		5045 0
OBS	0000	25	52	36	52	24	35	1			5045 0
STD	0010†	25	31	36	54	24	43		035		5044 1
STD	00201	25	13	36	57	24	51	0	070		5043 3
STD	00301	24	99	36	56	24	54	0	105		5042 8
OBS	0040	24	89	36	61	24	61				5042 7
STD	0050	241	88	36	76	24	73	0	171		5043 7
STD	0075	24	84	36	96	24	89	0	250		5045 5
OBS	0075	24	84	36	96	24	89				5045 5
STD	0100	24	37	36	92	25	00	0	327		5043 1
OBS	0100	24	37	36	92	25	0.0	1.			5043 1
STD	0150	24	00	36	97	25	15	0	474		5043 1
OBS	0150	24	00	36	97	25	15	1			5043 1
OBS	0175	22	93	36	90	25	41	1			5035 6
STD	0200	20	76	36	67	25	85	C	602		5017 7
ORS	0200	20	76	36	67	25	85	1			5017 7
OBS	0225	19	57	36	. 60	26	11	-			5008 2
STD	0250	18	79	36	54	26	27	0	704		5002 2
OBS	0250	18	79	36	54	26	27	-	200		5002 2
STD	0300		07	36	47	26	40	0	794		4997 9
ORS	0300	18	07	36	47	26	40	1			4997 9
STD	0400	16	69	36	26-	20	57	0	961		4989 1
STD	0500	14	81	35.	98	26	79	1	112		4974 3
OBS	0500	14	81	35	98	26	79	1			4974 3
STD	0600	12	44	35	62	27	00	1	244		4952 7
OBS	0600	12	44	35	62	27	00				4952 7
OBS	0650	11	59	35	51	27	08				4945 3
OBS	0700	10	59	35	40	27	18				4936 0
OBS	0750	09	69	35	32	27	27	1.			4927 7
STD	0800	08	94	35	23	27	33	1	453		4920 9
ORS	0800	08	94	35	23	27	33				4920 9
STD	1000	05	28	35	05	27	70	1	602		4884 2
ORS	1000	05	28	35	05	27	70	1	700		4884 2
STD	1200		47	35	01	27	76	1	702		
OBS	1300	04	16	34	99	27	78				4885 2
STD	1500	03	74	34	97	27	61	1	637		4905 2
OBS	1800	03	61	34	97	27	82				4905 2

					SURFACI	E OBSERVATIONS			
NODC REF.	STATION		SITION	SONIC	MAX.				
NO.	STATION	MO.	DAY	YEAR	HOUR	LATITUDE	LONGITUDE	UNCORRECTED	DEPTH
31947	0011	05	22	1962	04	24 . 40 N	077 35 W	1850	18

w	IND	ANEMO.	AIR	AIR TEM	PERATURE	HUMID.	WEATHER	CLC	OUD	Ş	EA	SWE	LL		W	ATER
SPEED	DIR.	HGT.	PRESS	DRY 🖤	WET *	ITY	WEATHER	TYPE	AMT.	DIR.	AMT.	DIR.	AMT.	VIS.	COL.	TRANS
04	16		15	24 9	21 1		02	0	0	14	1			7	-1	

OBS 0000 25 31 36 51 24 41 5045 5043 51D 00101 25 20 36 52 24 45 0 035 5043 51D 00201 25 12 36 56 24 50 0 070 5043 51D 00301 25 04 36 61 24 56 0 104 5043 51D 0050 25 08 36 68 24 62 5044 51D 0075 25 19 37 08 24 87 0 249 5048 51D 0075 25 19 37 08 24 87 0 249 5048 51D 0075 25 19 37 08 24 87 5048 51D 0100 24 35 36 88 24 98 0 326 5048 51D 0150 24 04 36 94 25 12 0 475 5043 5043 5043 51D 0150 24 04 36 94 25 12 5043 5043 5043				SUBSU	RFACE OBSER	RVATIONS		
OBS 0000		SAMPLE DEPTH (M)	T°¢.		. " +			v, +
STD 0010† 25 20 36 52 24 45 0 035 5043 STD 0020† 25 12 36 56 24 50 0 700 5043 STD 0030† 25 04 36 61 24 56 0 104 5043 STD 0050 25 08 36 88 24 76 0 170 5045 STD 0075 25 19 37 08 24 87 0 249 5048 STD 0100 24 35 36 88 24 98 0 326 5042 STD 0150 24 04 36 94 25 12 0 475 5043 OBS 0150 24 04 36 94 25 12 0 475 5043 OBS 0150 24 04 <th>STD</th> <th>0000</th> <th>25 31</th> <th>36 51</th> <th>24 41</th> <th>0 000</th> <th>1</th> <th>5043</th>	STD	0000	25 31	36 51	24 41	0 000	1	5043
STD 00201 25 12 36 56 24 50 0 070 5042 STD 00301 25 04 36 61 24 56 0 104 5043 STD 0050 25 04 36 68 24 76 0 170 5045 STD 0075 25 19 37 08 24 87 0 249 5048 STD 0100 24 35 36 88 24 98 0 326 5048 OBS 0100 24 35 36 88 24 98 0 326 5048 OBS 0150 24 04 36 94 25 12 0 475 5048 OBS 0150 24 04 36 94 25 12 0 475 5043 OBS 0175 23 17 36 53 26 28 0 603 5016	OBS	0000	25 31	36 51	24 41			5043
STD 00301 25 04 36 61 24 56 0 104 5043 5044 56 0 104 5043 5044 5048 36 68 24 62 5049 5048 5048 36 88 24 62 0 170 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5049 5049 5049 <	STD	00101	25 20	36 52	24 45	0 035		5043
OBS 0040	STD	00201	25 12	36 56	24 50	0 070		5043
OBS 0040	The second secon	00301	25 06	36 61	24 56	0 104		5043
STD 0050 25 08 36 88 24 76 0 170 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045 5045		0040			24 62			5044
STD 0075 25 19 37 08 24 87 0 249 5048 OBS 0075 25 19 37 08 24 87 0 249 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048 5048			A DECEMBER OF THE REST		24 76	0 170	1 1 1 1 1 1 1 1	5045
STD 0100 24 35 36 88 24 98 0 326 5042 OBS 0100 24 35 36 88 24 98 0 326 5042 STD 0150 24 04 36 94 25 12 0 475 5043 OBS 0175 23 17 36 96 25 39 5037 5043 STD 0200 20 61 36 66 25 88 0 603 5016 OBS 0200 20 61 36 66 25 88 0 603 5016 STD 0250 18 72 36 53 26 28 5001 STD 0300 18 02 36 46 26 40 0 793 4997 STD 0400 16 71 36 26 26 <td>THE RESERVE OF THE PARTY OF THE</td> <td></td> <td></td> <td></td> <td>24 87</td> <td></td> <td></td> <td>5048</td>	THE RESERVE OF THE PARTY OF THE				24 87			5048
STD 0100 24 35 36 88 24 98 0 326 5042 OBS 0100 24 35 36 88 24 98 0 326 5042 STD 0150 24 04 36 94 25 12 0 475 5043 OBS 0175 23 17 36 96 25 39 5037 5043 STD 0200 20 61 36 66 25 88 0 603 5016 OBS 0200 20 61 36 66 25 88 0 603 5016 STD 0250 18 72 36 53 26 28 5001 STD 0300 18 02 36 46 26 40 0 793 4997 STD 0400 16 71 36 26 26 <td></td> <td></td> <td></td> <td>37 08</td> <td></td> <td></td> <td></td> <td>5048</td>				37 08				5048
OBS 0100	The State of the S			36 88		0 326		5042
STD 0150 24 04 36 94 25 12 0 475 5043 OBS 0150 24 04 36 94 25 12 5043 OBS 0175 23 17 36 96 25 39 5037 STD 0200 20 61 36 66 25 88 0 603 5016 OBS 0220 20 61 36 66 25 88 0 603 5016 OBS 02250 18 72 36 53 26 28 0 704 5001 STD 0300 18 02 36 46 26 40 0 793 4997 OBS 0300 18 02 36 46 26 40 0 793 4997 STD 0400 14 80 35 98 26 79 1 <td>The second second second second</td> <td></td> <td></td> <td></td> <td></td> <td>100</td> <td></td> <td>5042</td>	The second second second second					100		5042
OBS 0150						0 475		5043
OBS 0175								5043
STD 0200 20 61 36 66 25 88 0 603 5016 OBS 02200 20 61 36 66 25 88 0 603 5016 STD 0250 18 72 36 53 26 28 5001 STD 0300 18 02 36 46 26 40 0 793 4997 STD 0300 18 02 36 46 26 40 0 793 4997 STD 0400 16 71 36 26 26 57 0 961 4985 STD 0500 14 80 35 98 26 79 112 4974 STD 0600 12 28 35 61 27 03 1243 4950 OBS 0600 12 28 35 61 27 03 </td <td>The second secon</td> <td></td> <td></td> <td></td> <td></td> <td>7</td> <td></td> <td>5037</td>	The second secon					7		5037
OBS 0200					A STATE OF THE PARTY OF THE PAR	0 603	100	
OBS 0225			1 TO			7		
STD 0250 18 72 36 53 26 28 0 704 5001 STD 0300 18 02 36 46 26 40 0 793 4997 OBS 0300 18 02 36 46 26 40 0 793 4997 STD 0400 16 71 36 26 26 57 0 961 4985 STD 0500 14 80 35 98 26 79 112 4974 STD 0600 12 28 35 61 27 03 1243 4950 OBS 0600 12 28 35 61 27 03 4950 OBS 0600 12 28 35 61 27 03 4950 OBS 0650 11 21 35 47 27 12 4949 <				CAN PROPERTY OF THE PROPERTY O				
OBS 0250	Alternative State of the State		A STATE OF THE PARTY OF			n 704		
STD 0300 18 02 36 46 26 40 0 793 4997 STD 0400 16 71 36 26 26 57 0 961 4985 STD 0500 14 80 35 98 26 79 1 112 4974 OBS 0500 14 80 35 98 26 79 1 112 4974 STD 0600 12 28 35 61 27 03 1 243 4950 OBS 0600 12 28 35 61 27 03 1 243 4950 OBS 0650 11 21 35 47 27 12 4940 OBS 0700 10 47 35 39 27 19 4934 OBS 0750 09 70 35 29 27 25 25 4918 STD 1000 08 83 35 22	The second of the second of the second					P 104		
OBS 0300			William Co. St. C. Bring St.	March Brown & Comment of the Comment		n 702		
STD 0400 16 71 36 26 26 57 0 961 4985 STD 0500 14 80 35 98 26 79 1 112 4974 OBS 0500 14 80 35 98 26 79 1 212 4974 STD 0600 12 28 35 61 27 03 1 243 4950 OBS 0650 11 21 35 47 27 12 4940 OBS 0700 10 47 35 39 27 19 4934 OBS 0750 09 70 35 29 27 25 25 STD 0800 08 83 35 22 27 34 1 453 4918 OBS 0800 08 83 35 22 27 34 1 453 4918 STD 1000 05 44 35 05 27 68 1 598 4886 STD 1200 04 43 35 01 27 77 1 700 4883	The state of the s					0 173		
STD 0500 14 80 35 98 26 79 1 112 4974 OBS 0500 14 80 35 98 26 79 1 112 4974 STD 0600 12 28 35 61 27 03 1 243 4950 OBS 0650 11 21 35 47 27 12 4940 OBS 0700 10 47 35 39 27 19 4934 OBS 0750 09 70 35 29 27 25 25 4927 STD 0800 08 83 35 22 27 34 1 453 4918 STD 1000 05 44 35 05 27 68 1 598 4886 OBS 1000 04 06 34 99 27 79 4883 STD 1500 03 60 34 99 27 79	CONTRACTOR OF THE PARTY OF THE					h 061		
OBS 0600 12 28 35 61 27 03 4950 OBS 0650 11 21 35 47 27 12 4940 OBS 0700 10 47 35 39 27 19 4934 OBS 0750 09 70 35 29 27 25 STD 0800 08 83 35 22 27 34 1 453 4919 OBS 0800 08 83 35 22 27 34 1 453 4919 OBS 1000 05 44 35 05 27 68 1 598 4886 OBS 1000 05 44 35 05 27 68 1 598 4886 OBS 1000 05 44 35 05 27 68 STD 1200 04 43 35 01 27 77 1 700 4883 OBS 1300 04 06 34 99 27 79 4883 OBS 1300 04 06 34 99 27 79 4883 OBS 1500 03 60 34 97 27 82 1 831								
OBS 0600 12 28 35 61 27 03 4950 OBS 0650 11 21 35 47 27 12 4940 OBS 0700 10 47 35 39 27 19 4934 OBS 0750 09 70 35 29 27 25 STD 0800 08 83 35 22 27 34 1 453 4919 OBS 0800 08 83 35 22 27 34 1 453 4919 OBS 1000 05 44 35 05 27 68 1 598 4886 OBS 1000 05 44 35 05 27 68 1 598 4886 OBS 1000 05 44 35 05 27 68 STD 1200 04 43 35 01 27 77 1 700 4883 OBS 1300 04 06 34 99 27 79 4883 OBS 1300 04 06 34 99 27 79 4883 OBS 1500 03 60 34 97 27 82 1 831				55 90		1 112		
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OBS 0650 11 21 35 47 27 12 4940 OBS 0700 10 47 35 39 27 19 OBS 0750 09 70 35 29 27 25 STD 0800 08 83 35 22 27 34 1 453 4919 OBS 0800 08 83 35 22 27 34 1 453 4919 STD 1000 05 44 35 05 27 68 1 598 STD 1000 05 44 35 05 27 68 1 598 STD 1200 04 43 35 01 27 77 1 700 4883 OBS 1300 04 06 34 99 27 79 STD 1500 03 60 34 97 27 82 1 831 4888		PERSONAL PROPERTY.		55 61		1 243		No. of Contract Street, and
ORS 0700 10 47 35 39 27 19 4934 ORS 0750 09 70 35 29 27 25 STD 0800 08 83 35 22 27 34 1 453 4919 ORS 0800 08 83 35 22 27 34 1 453 4919 STD 1000 05 44 35 05 27 68 1 598 STD 1000 05 44 35 05 27 68 4886 STD 1200 04 43 35 01 27 77 1 700 4883 ORS 1300 04 06 34 99 27 79 4883 STD 1500 03 60 34 97 27 82 1 831 4888	The second second second second							A CONTRACTOR OF THE PARTY OF TH
OBS 0750 09 70 35 29 27 25 4925 STD 0800 08 83 35 22 27 34 1 453 4919 OBS 0800 08 83 35 22 27 34 1 453 4919 STD 1000 05 44 35 05 27 68 1 598 4886 OBS 1000 05 44 35 05 27 68 4886 STD 1200 04 43 35 01 27 77 1 700 4883 OBS 1300 04 06 34 99 27 79 4883 STD 1500 03 60 34 97 27 82 1 831 4888	M. P. Charles C. P. Barrier S. Co. St.	TO MANUFACTURE OF THE PARTY OF						
STD 0800 08 83 35 22 27 34 1 453 4919 STD 1000 08 83 35 22 27 34 34 4919 STD 1000 05 44 35 05 27 68 1 598 4886 OBS 1000 05 44 35 05 27 68 4886 STD 1200 04 43 35 01 27 77 1 700 4883 STD 1500 03 60 34 97 27 82 1 831 4888			The second secon				4.5	
OBS 0800 08 83 35 22 27 34 4919 4886 1598 4886 1500 05 44 35 05 27 68 1598 4886 1500 05 44 35 05 27 68 1500 05 44 35 05 27 68 1500 05 44 35 05 27 68 1500 05 44 35 05 27 68 1500 05 1300 04 06 34 99 27 79 4883 1500 03 60 34 97 27 82 1 831 4888			Hall Self-Guille Valley (1915)					
\$TD						1 455		
OBS 1000 05 44 35 05 27 68 4886 5TD 1200 04 43 35 01 27 77 1 700 4883 OBS 1300 04 06 34 99 27 79 4883 STD 1500 03 60 34 97 27 82 1 831 4888		Part and the second second				500		
STD 1200 04 43 35 01 27 77 1 700 4883 OBS 1300 04 06 34 99 27 79 4883 STD 1500 03 60 34 97 27 82 1 831 4888		Property and the Control of the Cont	PERSONAL PROPERTY.			1 390		
OBS 1300 04 06 34 99 27 79 4883 STD 1500 03 60 34 97 27 82 1 831 4888						700		
STD 1500 03 60 34 97 27 82 1 831 4888					The state of the s	1 700		The second secon
310 1300 103 00 5. 3. 12. 02 5 03.								
OBS 1800 03 60 34 97 27 82			Company of the Compan			1 031	200	
	OBS	1800	03 60	34 91	21 02			4,00
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					SURFACE	E OBSER	VATIONS					
NODC REF. NO.	STATION		12.7	DATE			PC		SONIC	MAX.		
NO.	STATION	MO.	DAY	YEAR	HOUR	LAT	TUDE	LON	GLTUDE		UNCORRECTED	DEPTH
31947	0012	05	22	1962	07	24	40'N	077	35	W	1850	18

W	IND	ANEMO.		AIR TEMP	PERATURE	HUMID.	WEATHER	CLC	OUD	S	EA	SWE	LL		w	ATER
SPEED	DIR.	HGT.	PRESS	DRY *	WET *	ITY	WEATHER	TYPE	AMT.	DIR.	AMT.	DIR.	AMT.	VIS.	COL.	TRANS.
03	16	CE III	15	24 6	21 1		01	6	2	16	2			7		

					SUBSU	RFACE	OBSER	RVATIONS		
	SAMPLE DEPTH (M)	7.	°¢	8	**	•1	+	ΣΔD	O2m 1/1	V1 +
STD OBS STD STD OBS	0000 0000 0000 0010 f 0020 f 0030 f 0040 0050 0075 0100 0150 0150 0200 0225 0250 0250 025	255 255 225 224 224 224 223 222 222 223 222 223 223	22214 0803998 97732325 9552670703880 9999822882288669993553666999355356669999355356669999355356669999355	666666677666776666666665555555555555555	5225561678200088800056779445580002229893366653000	244244242422552552666662227772772772772772772772772772772	19 36 86 86 12 27 27 40 56 78 03 14 20 23 23 27 70	0 000 0 035 0 069 0 104 0 170 0 249 0 326 0 472 0 599 0 701 0 790 0 958 1 111 1 242 1 453 1 598 1 695 1 818		5042 8 5042 7 5042 7 5042 7 5042 7 5043 7 5046 7 5046 7 5046 7 5046 7 5046 7 5042 8 5032 8 5032 8 5037 2 5002 3 5002 4997 1 5002 4997 6 5002 4997 6 6002 4902 6 6002

					SURFACE	E OBSE	RVATIONS				
NODC REF.	STATION			DATE			PO	SITION		SONIC	MAX.
NO.	STATION	MO.	DAY	YEAR	HOUR	LA	TITUDE	LON	GITUDE	UNCORRECTED	DEPTH
31947	0013	05	22	1962	10	24	40'N	077	35 W	1850	18

w	IND	ANEMO.	AIR	AIR TEMP	PERATURE	HUMID-	WEATHER	Cro	כטכ	.s	EA	SWE	LL		w	ATER
SPEED	DIR.	HGT.	PRESS	DRY *	WET *	ITY			AMT.	DIR.	AMT.	DIR.	AMT.	VIS.	COL.	TRANS.
04	18		15	24 1	21 7		02	6	2	16	2			7	74	P0

					SUBSU	RFACE	OBSE	RVATIONS		
1	SAMPLE DEPTH (M)	T °(Ç.		% 0	•1	+	¥ ΣΔD	Ozm I/I	V1 +
STD	0000	25	12	36	57	24	51	0 000		5042
OBS	0000	25	12	36	57	24	51			5042
STD	00101	24	96	36	58	24	57	0 034		5041
STD	00201	24	83	36	59	24	61	0 068	200	5041
STD	0030f	24	72	36	58	24	64	0 101		5040
OBS	0040	24	63	36	61	24	69		Mary 1	5040
STD	0050		62	36	68	24	'75	0. 167		5041
STD	0075		52	36	81	24	87	0 246		5042
OBS	0075		52	36	81	24	87			5042
STD	0100	The state of the s	33	36	88	24	99	0 323		5042
OBS	0100		33	36	88	24	99.			5042
STD	0150	The state of	09	36	97	25	13	0 471		5043
OBS	0150	1 -	09	36	97	25	13			5043
OBS	0175		51	36	98	25	30			5040
STD	0200		90	36	68	25	82	0 600		5019
ORS	0200		90	36	68	25	82			5019
OBS	0225		68	36	60	26	08			5009
STD	0250		91	36	54	26	24	0 704		5003
ORS	0250	A CONTRACTOR OF THE PARTY OF TH	91	36	54	26	24	7		5003
STD	0300		01	36	48	26	42	0 794	Total I	4997
	0300		01	36	48	26	42	P 134		4997
OBS	0400	-	70	A 100 PM	26	26	57	0 960		4989
STD .	0500		82.	36 .	98	1 V. T.	78	0 960		4974
STD			82	35	98	26	78	1 112		4974
OBS	0500		_		1	26		1 242		4952
STD	0600		38	35	65	27	04	1 242		4952
OBS	0600,		38	35	65	27	04			4944
ORS	0650		49	35	50	2.7	09			The state of the s
OBS	0700		53	35	38	27	17			
OBS	0750		68	35	29	27	25			4927
STD	0800		98	35	21	27 .	31	1 455		
OBS	0800		98		21	27	31			4921
STD	1000		35	35	05	27	69	1 602		4885
OBS	1000	1	35	35	05	27	69			4885
STD	1200		41	35	01	27	77	1 702		4883
OBS	1300		06	34	99	27	79			4883
STO	1500		63	34	97	27	82	1 834		
OBS	1800	03	61	34	97	27	82			4905
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				1						
						111			12 12 13	
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		8 1		1						
1				1		1				

				\$	SURFACE	OBSE	RVATIONS				
NODC REF.	STATION			DATE			PO	SITION		SONIC	MAX.
NO.	SIATION	MO.	DAY	YEAR	HOUR	LA	TITUDE	LON	GITUDE	UNCORRECTED	DEPTH
31947	0014	05	22	1962	13	24	40'N	077	35 W	1850	18

W	IND	ANEMO.	AIR	AIR TEMP	PERATURE	HUMID.		CLC	auc	S	EA ·	SWE	LL		W	ATER
SPEED	DIR.	HGT.	PRESS	DRY *	WET \$	ITY	WEATHER		AMT.	DIR.	AMT.	DIR.	AMT.	VIS.	COL.	TRANS.
04	18		16	24 1	21 4		01	8	1	16	2			7		

				-		RFACE					
	SAMPLE DEPTH (M)	1	°¢	8	% o ♦	•1	+	¥ ΣΔD	O₂m 1/1	Vr	+
STD	0000	25	07	36	53	24	50	0 000		5041	
OBS	0000 .	25	07	36	53	24	50			5041	
STD	0010f	24	91	36	54	24	55	0 034		5041	(
STD	00201	24	77	36	55	24	60	0 068		5040	
STD	00301	24	65	36	58	241	66	0 101		5040	
OBS	0040	24	56	36	61	24	71			5040	
STD	0050	24	54	36	68	24	77	0 166		5040	
STD	0075	24	42	36	79	24	89	0 245		5041	1
OBS	0075	24	42	36	79	24	89	0 222		5041	1
STD	0100	24	22	36	83	24	98	0 322	10	5041	
OBS	0100	24	03	36	83	24	98	0 470		5041	-
STD	0150	24	03	36	97	25	14	0 470		5043	
OBS OBS	0175	23	32	36	91	25	31			5038	1
STD	0200	20	90	36	68	25	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 599		5019	(
OBS	0200	20	90	36	68	25	82			5019	(
OBS	0225	19	65	36	60	26	09			5009	(
STD	0250	18	88	36	55	26	38,753	0 702		5003	
OBS	0250	18	88	36	55	26	25			5003	
STD	0300	18	10	36	47	26		0 792		4998	
OBS	0300	18	10	36	47	26	39			4998	
STD	0400	16	15	36	21.	26	66	0 956		4983	
STD	0500	14	28	35 .	93	26	86	1 099		4968	
OBS	0500	15	67#	35	93	26	56*				
STD	0600	12	48	35	62	26	99	1 227		4953	
085	0600	12	48	35	62	26	99			4953	
OBS	0650	11	61	35	51	27	08	100		4945	(
OBS	0700	10	40	35	37	27	19			4933	
OBS	0750	09	53	35	27	27	26			4925	(
STD	0800	08	97	35	23	27	32	1 442		4921	
OBS		08	97	35	23	27	32		100	4921	
STD	1000	05	29	35	06	27	71	1 586		4884	-
OBS	1000	05	29	35	06	27	71			4884	-
STD	1200	04	40	35	02	27		1 684		4883	-
OBS	1300	04	07	35	00	27	80	1 814		4884	
STD	1500	03	65	34	98	27	83	1 814		4889	-
OBS	1800	03	59	34	91	27	00			4904	
		11. 11		- 10							

L					S	URFACE	OBSERV	ATIONS							
	NODC REF.	STATION			ATE			POS	ITION				NIC		AX.
L	NO.	STATION	MO.	DAY	YEAR	HOUR	LATITUDE LONGITUDE					UNCOR	PTH RECTE		PTH
	31947	0015	05	22	1962	16	24	40'N	077	35	'W	18	50	1	8
WI	ND	ANEMO.	O. AIR AIR TEMPERATU		PERATURE	HUMID-		CLOUD	· S	EA	SW	ELL		w	ATER
ED	DIR.	HGT.	PRESS	DRY W	WET	ITY	WEATHER	TVPE AMT	DIE	AMT	NIO	AMT	VIS.	-01	TOA

TYPE AMT. DIR. AMT.

DIR. AMT.

COL. TRANS.

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WET *

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SPEED DIR.

					SUBSU	RFACE	OBSE	RVATIONS		
	SAMPLE DEPTH (M)	T	°¢		% o	- #t	+	♦ ΣΔD	O:m 1/1	V1 +
STD	0000	25	46	36	52	24	37	0 000		5044 6
ORS	0000	25	46	36	52	24	37			5044 6
STD	00101	25	38	36	58	24	44	0 035		5044 7
STD	00201	25	29	36	64	24	51	0 070		5044 8
STD	00301	25	20	36	69	24	58	0 104		5044 9
OBS	0040	25	09	36	74	24	65			5044 7
STD	0050	124	99	36	78	24	71	0 171		5044 7
STD	0075	24	65	36	85	24	87	0 251	- 1	5043 7
OBS	0075	24	65	36	85	24	87			5043 7
STD	0100	24	20	36	89	25	03	0 327		5041 6
ORS	0100	24	20	36	89	25	03			5041 6
STD	0150	24	01	36	98	25	16	0 473		5043 2
ORS	0150	24	01	36	98	25	16			5043 2
OBS	0175	22	88	36	92	25	44			5035 2
STD	0200	20	78	36	66	25	84	0 601		5017 9
OBS	0200	20	78	36	66	25	84			5017 9
OBS		19	42	36	59	26	14			5006 8
STD	0250	18	71	36	53	26	28	0 703		5001 4
OBS		18	71	36	53	25	28	7 .05		5001 4
STD	0300	18	00	36	46	26	41	0 793		4997 2
OBS		18	00	36	46	26	41	0 .,,,		4997 2
STD	0400	16	59	36.	25	26	59	0 959		4988 1
	0500	14	69	35	96	26	80	1 109		4973 0
STD	0500		69	35		A SHOW THE STATE OF	80	1 109		4973 0
ORS	0600	14	30		96	26	01	1 240		4951 0
STD		12		35	60	27	-	1 240		4951 0
OBS	0600	12	30	35	60	27	01		1	4943 0
OBS	0650	11	40	35	48	27	09			4932 2
OBS	0700	10	28	35		27	20			4924 0
OBS	0750	09	40	35	26	27	28	1 451		4918 9
STD	0800	08	78 78	35	21	27	34	1 451		4918 9
OBS		08		35	21	27	70	1 594		4884 9
STD	1000	The state of	33	35	05 05	27	70	1 294		4884 9
OBS	1000	05	44	35		27	77	1 694		4883 7
STD		04		35	01	27	80	1 074		4884 6
OBS	1300	The state of the s	11	34	98	27	82	1 827		4889 7
STD	1500	03		F	97	27	82	1 021		4905 7
OBS	1800	03	65	34	91	121	82			4905 /

					S	URFACE	OBSERV	ATIO	NS							
	NODC REF.	STATION		- 0	ATE				POS	ITION				NIC		AX.
	NO.	JIATION	MO.	DAY	YEAR	HOUR	LATIT	UDE	T	LO	NGITUD	E	UNCOR	RECTE		PTH
	31947	0016	05	22	1962	19	24	40	N	077	35	'w	18	50	1	8
WIND		ANEMO.	AIR	AIR TEM	PERATURE	HUMID-			DUD	s	EA .	SW	ELL		W	ATER
PEED	DIR.	HGT.	PRESS	DRY 🛊	WET *	ITY	WEATHER		AMT.	DIR.	AMT.	DIR.	AMT.	VIS.	COL.	TRA
04	14		15	26 1	22 2		01	0	0	15	2			7		

OBS 0000 25 74 36 57 24 32 31 32 37 36 58 24 44 0 37 36 58 24 44 0 37 36 58 24 54 0 37 36 58 24 54 0 37 36 59 24 63 0 36 36 59 24 63 0 36 36 59 24 69 37 36 59 24 69 37 36 59 24 69 37 36 59 24 69 37 36 59 24 69 37 36 36 36 36 36 36 36	2 AD 0000 036 070 104 169 248 324 470	O:m1/1 븇	5046 5 5046 5 5044 5 5042 8 5040 8 5040 8 5040 8 5040 8 5040 8 5041 3 5042 4 5042 4
STD	036 070 104 169 248 324 470	V	5046 5044 5042 5041 5040 5040 5040 5041 5041 5042 4
OBS 0500	959		5019 5 5019 5 5006 7 5002 7 5002 7 4997 2 4997 2
OBS 0800 08 65 35 21 27 36 5TD 1000 05 19 35 04 27 71 1 OBS 1000 05 19 35 04 27 71 1 STD 1200 04 40 35 01 27 77 1 OBS 1300 04 10 35 00 27 80	239		

					SURFACE	E OBSERVATIONS			
NODC	NODC REF. STATION			DATE		PO	SITION	SONIC .	MAX.
NO.	STATION	MO.	DAY	YEAR	HOUR	LATITUDE	LONGITUDE	UNCORRECTED	SAMPLE DEPTH
31947	0017	05	22	1962	23	24 . 40 N	077 35 W	1850	18

W	IND	ANEMO.	AIR	AIR TEMP	ERATURE	HUMID-	WEATHER	CLC	DUD	· S	EA	SWE	LL		w	ATER
SPEED	DIR.	HGT.	PRESS	DRY 🛡	WET *	ITY			AMT.	DIR.	AMT.	DIR.	AMT.	VIS.	COL.	TRANS.
04	18		14	25 6.	21 7		02	6	2	13	2			7	-	-1-64

SAMPLE DEPTH-(M) 0000 0000 0010† 0020† 0030† 0040 0050 0075 0075 0100 0100 0150 00150	25 25 25 24 24 24 24 24 24 24 24 23 23	99 99 44 99 64 39 38 32 32 23	36 36 36 36 36 36 36 36	62 62 62 62 62 68 80 80	24 24 24 24 24 24 24 24 24 24	28 28 45 59 70 77 82 93	000 0	000 036 070 103 168 245	Osm I/I	5048 9 5048 9 5045 4 5042 5 5040 3 5038 6 5040 9
000b 001bt 0020t 0030t 0040 0050 0075 0100 0150	25 25 24 24 24 24 24 24 24 24 24 23	99 44 99 64 39 38 32 32 23 23	366666666666666666666666666666666666666	62 62 62 62 68 80 80	24 24 24 24 24 24 24 24 24	28 45 59 70 77 82 93	000 0	036 070 103	7 × 1	5048 9 5045 4 5042 5 5040 3 5038 9 5039 6
0010† 0020† 0030† 0040 0050 0075 0100 0100 0150	25 24 24 24 24 24 24 24 24 24 24 23	99 44 99 64 39 38 32 32 23 23	366666666666666666666666666666666666666	62 62 62 62 68 80 80	24 24 24 24 24 24 24 24	45 59 70 77 82 93	00 0	070 103		5045 4 5042 5 5040 3 5038 9 5039 6
0020† 0030† 0040 0050 0075 0075 0100 0150	24 24 24 24 24 24 24 24 24 23	99 64 39 38 32 32 23 23	36 36 36 36 36 36	62 62 62 68 80 80	24 24 24 24 24 24 24	59 70 77 82 93	00 0	070 103		5042 5 5040 3 5038 9 5039 6
0030† 0040 0050 0075 0075 0100 0100 0150	24 24 24 24 24 24 24 22 23	64 39 38 32 32 23 23	36 36 36 36	62 62 68 80 80	24 24 24 24 24	70 77 82 93	0	103		5040 3 5038 9 5039 6
0040 0050 0075 0075 0100 0100 0150	24 24 24 24 24 24 22 23	39 38 32 32 23 23	36 36 36 36	62 68 80 80	24 24 24 24	77 82 93	0	168		5038 9 5039 6
0050 0075 0075 0100 0100 0150	24 24 24 24 24 23	38 32 32 23 23	36 36 36	68 80 80	24 24 24	82 93				5039 6
0075 0075 0100 0100 0150	24 24 24 24 24 23	32 32 23 23	36 36 36	80	24	93				
0075 0100 0100 0150 0150	24 24 24 24 23	32 23 23	36	80	24	1200	0	245	45 A	5040 9
0100 0100 0150 0150	24 24 23	23	36			93	1			
0100 0150 0150	24	23		87			1			5040 9
0150 0150	23				25		0	321		5041 8
0150			36	87	25	01	1			5041 8
	22	99	36	97	25		0	468		5043 0
0175		99	36	97	25	16				5043 0
	23	23	36	94	25	36			3 14 15	5038 1
0200	21	09	36	70	25		0	598		5020 7
0200	21	09	36	70	25	78	1	•		5020 7
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							0	701		5001 6
TO SEE STREET, IN CO.		No. of Street			Company of the second		-	701		5001 6
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	0.500				100000000000000000000000000000000000000	A STATE OF THE PARTY OF THE PAR	-	101		4973 0
	- 10	P. 1000	1000		N. D. Williamson		1	237		4949 6
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Company of the second	0.000	0.00			100 mm					4941 6
										4930 6
0750		- 17 Day	35			29				4922 5
0800	08	73	35	21	27	177000	1	446		4918 3
0800	08	73	35	21	27	35				4918 3
1000	05	14	35	04	27	71	1	587		4882 3
1000	05	14	35	04	27	71			26	4882 3
1200	04	35	35	00	27		1	685	2 20	4882 4
1300	04	06	34	99	27	79				4883 9
1500	03	69	34	97		8.2	1	818	6 20 4	4889 7
1800	03	66	34	97	27	82				4905 9
	0800 0800 1000 1000 1200 1300	0250	18 73 1250 18 73 1250 18 73 130300 17 99 1400 16 63 15000 14 69 1500 12 18 16000 12 18 16000 12 18 1700 10 15 1700 10 15 1750 09 28 1800 08 73 1800 05 14 1800 05 14 1800 05 14 1800 05 14 1800 06 73	0250 18 73 36 0250 18 73 36 0300 17 99 36 0300 17 99 36 0400 16 63 36 0500 14 69 35 0500 12 18 35 0600 12 18 35 0600 12 18 35 0700 10 15 35 0750 09 28 35 0800 08 73 35 0800 08 73 35 1000 05 14 35 1200 04 35 35 1200 04 35 35 1200 04 36 34 1500 03 69 34 1500 03 69 34 1800 03 66 34	0250 18 73 36 53 0250 18 73 36 53 0300 17 99 36 46 0300 17 99 36 46 0300 16 63 36 25 0500 14 69 35 96 0500 14 69 35 96 0600 12 18 35 59 0600 12 18 35 59 0650 11 28 35 59 0770 0 15 35 35 0750 09 28 35 25 0800 08 73 35 21 0800 08 73 35 21 0000 05 14 35 04 1200 04 35 35 00 04 05 14 35 04	0250 18 73 36 53 26 0250 18 73 36 53 26 0300 17 99 36 46 26 0300 17 99 36 46 26 0300 17 99 36 46 26 0400 16 63 36 25 26 0500 14 69 35 96 26 0500 12 18 35 59 27 0600 12 18 35 59 27 0700 10 15 35 35 27 0750 09 28 35 25 27 0800 08 73 35 21 27 0800 08 73 35 21 27 1000 05 14 35 04 27 1200 04 35 35 00 27 1200 04 35 35 00 27 12500 03 69 34 97 27 1800 03 69 34 97 27	0250 18 73 36 53 26 28 0250 18 73 36 53 26 28 0300 17 99 36 46 26 41 0300 17 99 36 46 26 41 0300 16 63 36 25 26 58 0500 14 69 35 96 26 80 0500 12 18 35 59 27 03 0600 12 18 35 59 27 03 0650 11 28 35 47 27 11 10 15 35 35 27 29 0800 08 73 35 21 27 35 0800 08 73 35 21 27 71 1000 05 14 35 04 27 71 1200 04 35 35 00 27 71 1200 04 35 35 00 27 72 1200 04 35 35 00 27 72 <td>0250 18 73 36 53 26 28 0 0250 18 73 36 53 26 28 0 0300 17 99 36 46 26 41 0 0300 17 99 36 46 26 41 0 0400 16 63 36 25 26 58 0 0500 14 69 35 96 26 80 1 0500 12 18 35 59 27 03 1 0600 12 18 35 59 27 03 1 0600 12 18 35 59 27 03 1 0650 11 28 35 47 27 11 10 15 35 35 27 29 0750 09 28 35 25 27 29 0800 08 73 35 21 27 35 1 0800 08 73 35 21 27 71 1 1000 05 14 35 04</td> <td>0250 18 73 36 53 26 28 0 701 0250 18 73 36 53 26 28 0 791 0300 17 99 36 46 26 41 0 791 0300 17 99 36 46 26 41 0 791 0300 16 63 36 25 26 58 0 957 0500 14 69 35 96 26 80 1 107 0500 12 18 35 59 27 03 1 237 0600 12 18 35 59 27 03 1 237 0600 12 18 35 59 27 03 1 237 0700 10 15 35 35 27 29 27 03 1 237 0750 09 28 35 25 27 29 29 27 29 29 27 35 1 446 0800 08 73 35 21 27 35 1 4</td> <td>0250 18 73 36 53 26 28 0 701 0250 18 73 36 53 26 28 0 701 0300 17 99 36 46 26 41 0 791 0300 17 99 36 46 26 41 0 791 0400 16 63 36 25 26 58 0 957 0500 14 69 35 96 26 80 1 107 0500 12 18 35 59 27 03 1 237 0600 12 18 35 59 27 03 1 237 0600 12 18 35 59 27 03 1 237 0600 12 18 35 59 27 03 1 237 0700 10 15 35 35 27 22 0750 09 28 35 27 29 29 0800 08 73 35 21 27 35 1 446</td>	0250 18 73 36 53 26 28 0 0250 18 73 36 53 26 28 0 0300 17 99 36 46 26 41 0 0300 17 99 36 46 26 41 0 0400 16 63 36 25 26 58 0 0500 14 69 35 96 26 80 1 0500 12 18 35 59 27 03 1 0600 12 18 35 59 27 03 1 0600 12 18 35 59 27 03 1 0650 11 28 35 47 27 11 10 15 35 35 27 29 0750 09 28 35 25 27 29 0800 08 73 35 21 27 35 1 0800 08 73 35 21 27 71 1 1000 05 14 35 04	0250 18 73 36 53 26 28 0 701 0250 18 73 36 53 26 28 0 791 0300 17 99 36 46 26 41 0 791 0300 17 99 36 46 26 41 0 791 0300 16 63 36 25 26 58 0 957 0500 14 69 35 96 26 80 1 107 0500 12 18 35 59 27 03 1 237 0600 12 18 35 59 27 03 1 237 0600 12 18 35 59 27 03 1 237 0700 10 15 35 35 27 29 27 03 1 237 0750 09 28 35 25 27 29 29 27 29 29 27 35 1 446 0800 08 73 35 21 27 35 1 4	0250 18 73 36 53 26 28 0 701 0250 18 73 36 53 26 28 0 701 0300 17 99 36 46 26 41 0 791 0300 17 99 36 46 26 41 0 791 0400 16 63 36 25 26 58 0 957 0500 14 69 35 96 26 80 1 107 0500 12 18 35 59 27 03 1 237 0600 12 18 35 59 27 03 1 237 0600 12 18 35 59 27 03 1 237 0600 12 18 35 59 27 03 1 237 0700 10 15 35 35 27 22 0750 09 28 35 27 29 29 0800 08 73 35 21 27 35 1 446

	100				SURFACE	OBSE	RVATIONS				
NODC REF.	STATION			DATE			PO	SITION		SONIC	MAX.
NO.	STATION	MO.	DAY	YEAR	HOUR	LA	TITUDE	LON	IGITUDE	UNCORRECTED	DEPTH
31947	0018	05	23	1962	01	24	40'N	077	35 W	1850	18

w	IND	ANEMO.	AIR	AIR TEMP	PERATURE	HUMID-		CLC	QUO	S	EA	SWE	LL		W	ATER
SPEED	DIR.	HGT.	PRESS	DRY *	WET *	ITY	WEATHER	TYPE	AMT.	DIR.	AMT.	DIR.	AMT.	VIS.	COL.	TRANS.
05	14		05	25 0	22 0		01	6	3	15	2			7		

			SUBSUF	RFACE OBSER	EVATIONS		
	SAMPLE DEPTH (M)	T °C ♦	s% o ♦	*t	ΣΔD	O2m 1/1	V1 +
STD OBS	0010† 0020† 0030† 0040 0050 0075 0100 0100 0150 0150 0200 0225 0250	25 38 25 38 25 06 24 79 24 57 24 40 24 20 24 20 24 28 24 02 23 18 20 96 20 96 71 8 94 18 04 18 04 18 04 18 88 12 21 11 12 21 11 12 21 10 06 08 46 05 20 00 4 33 04 02 03 88 03 67	5667866557877777788000499999999999999999999999999	24 42 24 53 24 62 24 77 24 82 24 92 24 92 24 99 25 14 25 80 26 25 26 40 26 27 27 27 27 38 27 27 80 27 82 27 82 27 82 27 82	0 000 0 035 0 068 0 101 0 166 0 244 0 320 0 468 0 597 0 701 0 791 0 791 1 112 1 243 1 448 1 586 1 684 1 821		5044 1 5044 1 5044 2 5040 8 5039 7 5039 7 5039 7 5042 2 5043 2 5043 2 5043 2 5043 7 5019 5 5009 7 5009 7

					SURFACE	OBSE	RVATION	IS				
NODC	STATION			DATE				POSITION			SONIC	MAX.
REF. NO.	STATION	MO.	DAY	YEAR	HOUR	LA	TITUDE		LONGITUD	E	UNCORRECTED	DEPTH
31947	0019	05	23	1962	04	24	40'1	07	7 35	W	1850	18

W	ND	ANEMO.	AIR	AIR TEMP	ERATURE	HUMID.	WEATHER	CLC	QUO	S	EA	SWE	ELL		W	ATER
SPEED	DIR.	HGT.		DRY *	WET *	ITY	WEATHER	TYPE	AMT.	DIR	AMT.	DIR.	AMT.	VIS.	COL.	TRANS
02	27		16	25 0	22 0		02		0	19	1			7		

SAMPLE 1 1 1 1 1 1 1 1 1	68 34 79 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	8%0 36 60 36 61 36 62 30 61 36 63 36 74 36 83 36 83 36 94 36 94 36 95 36 72 36 72 36 72 36 72	24 36 24 36 24 47 24 57 24 64 24 78 24 98 24 98 24 98 24 98 25 12 25 32 25 68 25 68	5 0 035 7 0 099 4 0 103 2 0 168 0 247 0 323 3 0 472	O±m I/I	5046 5046 5044 5042 5041 5040 5040 5040 5041 5043 5043 5043
000 25 010† 25 020† 25 0300† 24 040 24 050 24 075 25 075 25	68 34 79 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	86 60 86 61 86 62 80 61 86 63 86 66 86 74 86 83 86 83 86 94 86 95 72 72 86 72	24 36 24 47 24 57 24 64 24 72 24 90 24 98 24 98 24 98 25 12 25 68 25 68	5 0 035 7 0 099 4 0 103 2 0 168 0 247 0 323 3 0 472		5046 5044 5042 5041 5040 5040 5040 5041 5043 5043
010† 25 020† 25 030† 24 040 24 050 24 075 24 100 24 150 24 150 24 150 24 150 24 150 24 150 21 200 21 200 21 200 21 200 21 250 18	34 2 34 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	36 61 36 62 30 61 36 63 36 66 74 36 83 36 83 36 94 36 94 36 72 72 59	24 47 24 57 24 64 24 78 24 98 24 98 24 98 24 98 25 12 25 68	7 0 035 7 0 069 4 0 103 5 0 168 5 0 247 0 323 3 0 472		5044 5042 5041 5040 5040 5040 5041 5041 5043
020† 25 030† 24 040 24 050 24 075 24 1075 24 100 24 150 24 150 24 150 24 150 21 200 21 200 21 250 18	04 2 79 59 6 70 27 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	36 62 36 61 36 63 36 74 36 83 36 83 36 94 94 95 36 72 72 59	24 50 24 64 24 72 24 78 24 90 24 98 24 98 24 98 25 12 25 68 25 68	7 D 069 + C 103 2 0 168 0 0 247 0 323 1 0 472		5042 5041 5040 5040 5040 5040 5041 5043
030† 24 040 24 050 24 075 24 075 24 100 24 150 24 150 24 150 24 150 21 200 21 200 21 250 18	79 4 59 4 47 2 27 2 22 2 33 3 39 2 50 3 70 91	80 61 86 63 86 66 86 74 86 83 86 83 86 94 86 95 86 72 72 86 72	24 64 24 72 24 78 24 90 24 98 24 98 25 12 25 68 25 68	0 103 0 168 0 247 0 323 0 472		5041 5040 5040 5040 5040 5041 5041 5043
040 24 050 24 075 24 075 24 100 24 150 24 150 24 175 23 200 21 225 19 250 18	59 47 2 27 2 27 2 22 2 23 0 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	36 63 36 66 36 74 36 83 36 83 36 94 36 95 72 36 72 59	24 72 24 78 24 90 24 90 24 98 24 98 25 12 25 68 25 68	0 168 0 247 0 323 0 472		5040 5040 5040 5040 5041 5041 5043
050 24 075 24 075 24 100 24 150 24 150 24 175 23 100 21 120 21 125 19 150 18	47 27 27 27 27 22 22 23 39 39 30 30 30 30 30 30 30 30 30 30 30 30 30	86 56 86 74 86 74 86 83 86 83 86 94 86 95 72 86 72 86 72	24 78 24 90 24 90 24 98 24 98 25 12 25 32 25 68 25 68	0 168 0 247 0 323 2 0 472		5040 5040 5040 5041 5041 5043
075 24 075 24 100 24 100 24 150 24 150 24 175 23 200 21 220 21 250 18	27 2 27 2 22 2 23 3 03 2 50 3 50 3	36 74 36 74 36 83 36 83 36 94 36 95 36 72 36 72 36 72	24 90 24 98 24 98 25 12 25 12 25 32 25 68 25 68	0 247		5040 5040 5041 5041 5043
0.75	27 2 22 2 23 3 03 3 50 3 50 3 70 2	36 74 36 83 36 83 36 94 36 94 36 95 36 72 36 72	24 90 24 98 24 98 25 12 25 12 25 32 25 68 25 68	0 323		5040 5041 5041 5043 5043
100 24 100 24 150 24 150 24 175 23 200 21 200 21 225 19 250 18	22 2 03 3 03 3 50 3 50 3 70 2	36 83 86 83 86 94 86 94 86 95 86 72 86 72	24 98 24 98 25 12 25 12 25 32 25 68 25 68	0 323 2 0 472 2 0 605		5041 5041 5043 5043
100 24 150 24 150 24 175 23 200 21 200 21 225 19 250 18	22 3 03 3 03 3 50 3 50 3 70 3	86 83 86 94 86 95 86 72 86 72 86 72	24 98 25 12 25 12 25 32 25 68 25 68	0 472 2 0 472 3 0 605		5041 5043 5043
150 24 150 24 175 23 200 21 200 21 225 19 250 18	03 3 93 3 50 3 50 3 70 3	36 94 36 94 36 95 36 72 36 72 36 59	25 12 25 12 25 32 25 68 25 68	0 472 2 3 C 605		5043 5043
150 24 175 23 200 21 200 21 225 19 250 18	03 3 39 5 50 3 50 3 70 91 3	36 94 36 95 36 72 36 72 36 59	25 12 25 32 25 68 25 68	C 605		5043
175 23 200 21 200 21 225 19 250 18 250 18	39 50 50 70 91	16 95 16 72 16 72 16 59	25 32 25 68 25 68	C 605		
200 21 200 21 225 19 250 18 250 18	50 3 50 3 70 2 91 3	6 72 6 72 6 59	25 68 25 68	6 605		5039
200 21 225 19 250 18 250 18	50 3 70 3 91 3	6 72	25 68	1		
225 19 250 18 250 18	70 9	6 59	-	1		5024
250 18 250 18	91 3		1 26 07			5024
250 18	- 1			1		5009
		56 55	26 25			5003
100 18	91 3	55 55	26 25	,		5003
100	09	66 47	26 39	0 802		4998
18	00 3	16 47	26 39	,		4998
00 16	56 3	16 - 22	26 57	0 969		4987
00 14	57.	15 92	26 79			4971
000 14	57	15 92	26 79	,		4971
00 12	12 3	5 57	27 03	1 250		4948
00 12	12 3	57		,		4948
50 11				5		4938
00 09						4926
750 09	15 3	5 24	27 30)		4920
80 00	57 3	15 20	10000	The second secon		4916
800 08	57 3	5 20	27 36	,		4916
000 05	24 3	5 05				4683
000 05	24 3	5 05				4883
200 04						4882
00 04						4883
00 03						4892
00 03	66 3	14 97	27 82			4905
77 53	000	00	00	00	00	00

					SURFACE	OBSE	RVATIONS					
NODC REF.	STATION			DATE			PO	SITION			SONIC	MAX.
NO.	JIMITON 1	MO.	DAY	YEAR	HOUR	LA	TITUDE	LON	GITUDE	TE.	UNCORRECTED	DEPTH
31947	0020	05	23	1962	07	24	40'N	077	35	W	1850	18

w	IND	ANEMO.	AIR	AIR TEMP	PERATURE	HUMID-	WEATHER	CLC	OUO	S	EA.	SWE	LL		W	ATER
SPEED	DIR.	HGT.	PRESS	DRY *	WET *	ITY	WEATHER	TYPE	AMT.	DIR.	AMT.	DIR.	AMT.	VIS.	COL.	TRANS.
00	00		15	25 0	22 1		01	0	4	15	1			7		

OBS STD STD STD OBS	SAMPLE DEPTH (M) 0000 0000 0010† 0020†	25 25	°c •								
OBS STD STD OBS	0000 0010† 0020†	1		1	% o ♦	•1	+	L	¥ 200	O:m 1/1	* +
STD STD STD OBS	0010t 0020t	25	47	36	59	24	42	0	000		5044 9
STD STD OBS	00201	1 60	47	36	59	24	42				5044 9
OBS		25	19	36	60	24	51	0	035		5043 4
OBS		24	95	36	62	24	60	0	069		5042 2
STD	00301	24	14	36	63	24	67	0	102		5041 1
	0040	24	57	36	65	24	74	1			5040 4
	0050	24	46	36	67	24	79	0	167		5040 2
STD	0075	24	27	36	73	24	89	0	245		5040 2
OBS	0075	24	27	36	73	24	89	1			5040 2
STO	0100	24	21	36	79	24	95	0	322		5041 3
OBS	0100	24	21	36	79	24	95	1			5041 3
STO	0150	24	03	36	80	25	08	0	472		5043 0
ORS	0150	24	03	36	89	25	08				5043 0
OBS	0175	23	21	36	94	25	36	1			5038 0
STD	0200	21	06	36	66	25	.77	0	604		5020 4
ORS	0200	21	06	36	68	25	77				5020 4
OBS	0225	19	80	36	60	26	05	1			5010 3
STD	0250	18	97	36	55	26	23	0	709		5003 9
	0250	18	97	36	55	25	23			PARE	5003 9
STD	0300	18	07	36	46	26	39	0	000		4997 9
ORS	0300	18	07	36	46	26	39	1			4997 9
STD	0400	16	73	36	29	26	55	0	968		4989 5
STD	0500	14	76	35	96	26	78	1	120		4973 7
OBS	0500	14	76	35	96	26	78	1			4973 7
STD	0600	12	15	35	56	27	03	1	251		4949 3
ORS	0600	12	15	35	58	27	03	1			4949 3
ORS	0650	11	01	32	41	27	13	1			4938 3
OBS	0700	10	09	35	33	27	21	1			4929 8
OBS	0750	80	98	35	22	27	31	1			4918 7
STD	0800	08	52	35	20	27	37	1	457		4915 7
OBS	0800	08	52	35	20	27	37	1			4915 7
STD	1000	05	17	35	04	27	71	1	596		4882 7
085	1000	05	17	35	04	27	71	-			4882 7
STD	1200	04	40	35	00	27	76	1	695	1000	4883 1
085	1300	04	11	34	99	27	79	-	0,,		4884 6
STD	1500	03	74	34	97	27	81	1	830		4890 4
	1800	03	67	34	97	27	82	1	030		4906 0
085	1800	03	01	P4	31	14	02				4,000

L						SURFACE	OBSERV	ATIC	NS							
	NODC REF.	STATION			DATE				POS	TION				NIC		AX.
	NO.	SIMILON	MO.	DAY	YEAR	HOUR	LATIT	UDE	T	LC	NGITUD	•	UNCOR	PTH		MPLE EPTH
	31947	0021	05	23	1962	10	24	40	N	077	35	'w	18	50	1	8
w	IND	ANEMO.	AIR	AIR TEI	PERATUR	E HUMID.			oup	. 5	EA	SW	VELL			ATER
PEED	_	HGT.	PRESS	DRY V	WET	ITY	WEATHER		AMT.	DIR.	AMT.	DIR.	AMT.	VIS.	COL	TRAN
0.0	00		15	24 9	22		02	6	5	00	0			7		

SAMPLE T°C 3%0 01 2AD 00m1/1 V1 STD 0000 25 58 36 68 24 45 0 000 5046 OBS 0000 25 58 36 68 24 45 0 000 5046	STD	+
	OBS 0000	044
STD 0010† 25 23 36 64 24 53 0 035 5043 STD 0020† 24 93 36 62 24 61 0 068 5042 STD 0030† 24 68 36 62 24 68 0 102 5046 STD 0050 24 49 36 62 24 77 0 166 5039 STD 0075 24 23 36 68 24 86 0 246 5039 STD 0100 24 16 36 78 24 96 0 323 5040 STD 0150 24 00 36 90 25 10 0 472 5040 OBS 0150 24 00 36 90 25 10 0 472 5040 OBS 0150 24 00 36 90 25 32 5040	OBS 0500	046 043 042 040 039 039 039 040 042 042 042 039 040 042 042 039 999 999 999 999 999 999 999 999 9916 880 9916 8881 8883 8881 8883

					SURFACE	OBSE	RVATIONS	•				
NODC REF. NO.	STATION			DATE				OSITION			SONIC	MAX.
NO.	STATION	MO.	DAY	YEAR	HOUR	LA	TITUDE	LOP	GITUDE		UNCORRECTED	DEPTH
31947	0022	05	23	1962	13	24	40'N	077	35	W	1850	18

*	IND	ANEMO.		AIR TEM	PERATURE	HUMID.	WEATHER	Cre	DUD	5	EA.	SWE	LL			ATER
SPEED	DIR.	HGT.	PRESS	DRY *	WET *	ITY			AMT.	DIR.	AMT.	DIR.	AMT.	VIS.	COL.	TRANS.
02	16	100	17	25 6	22 2	- 10	01	8	1	16	2			7		

			SUBSUR	RFACE OBSE	RVAIIONS		
	SAMPLE DEPTH (M) .	T°C	8%0	** +	¥ ΣΔD	Ozmi/i	*
STD	0000	25 52	6 72	24 50	0 000		5045 8
OBS	0000	25 52	6 72°	24 50			5045 8
STD	00101	25 39	36 74	24 56	0 034		5045 4
STO	00201	25 25	36 74 36 75	24 60	0 068	ALC: UNK	5044 9
STD	00301	25, 10	\$6 75	24 65	0 101	W. 17. 37.3	5044 3
085	0040	24 93	\$6 76	24 71			5043 6
STD	0050	24 67	36 72	24 76	0 166		5042 0
STO	0075	24 23	36 69	24 87	0 246	1	5039 8
085	0075	24 23	36 69	24 87			5039 8
STD	0100	24 10	36 76	24 96	0 -323		5040 4
OBS	0100	24 10	36 76	24 96	1 /		5040 4
STD	0150	24 09	36 93	25 09	0 472		5043 6
OBS	0150	24 .09		25 09			5043 6
OBS	0175	23 60	36 91	25 23	1		5041 0
STD	0200	22 40	36 82	25 51	0 610		5032 2
085	0200	22 40	36 82	25 51			5032 2
OBS	0225	20 54	36 65	25 89			5017 1
STD	0250	19 18	36 56	26 18	0 722		5C05 9
OBS	0250	19 18	36 56	26 18			5005 9
STD	0300	18 27		26 36	0 815		4999 9
085	0300	18 27	36 49	26 36			4999 9
STD	0400	16 86	36 28	26 55	0 985		4990 9
STD	0500	14 88	35 99	26 78	1 138		4975 1
OBS	0500	14 88	35 99	26 78			4975 1
STD	0600	12 34	35 61	27 01	1 270		4951 5
OBS	0600	12 34	35 61	27 01			4951 5
OBS	0650	11 33	35 47	27 10			4942 2
OBS	0700	10 21	35 35	27 21			4931 3
085	0750	09 15	35 25	27 31			4920 9
STD	0800	08. 44	35 20	27 38	1 476		4914 7
OBS	0800	08 44	35 20	27 38			4914 7
STO	1000	05 06	35 04	27 72	1 612		4881 2
OBS	1000	05 06	35 04	27 72	. 700		4881 2
STD	1200	04 32	35 00	27 77	1 708		4882 0
OBS	1300	04 05	34 99	27 79			4883 7
STD	1500	03 71	34 98	27 82	1 840		4890 0
овѕ	1800	03 68	34 98	27 82			4906 2
1.							
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					SURFACE	E OBSE	RVATIONS				
NODC REF.	STATION			DATE			PC	SITION		SONIC	MAX
NO.	3141104	MO.	DAY	YEAR	HOUR	LA	TITUDE	LON	GITUDE	UNCORRECTED	SAMPLE
31947	0023	05	23	1962	16	24	40'N	077	35 W	1850	16

W	IND	ANEMO.	AIR	AIR TEMP	PERATURE	HUMID.	WEATHER	CLC	OUG	S	EA	SWE	LL			ATER
SPEED	DIR.		PRESS	DRY	WET V	ITY			AMT.	DIR.	AMT.	DIR.	AMT.	VIS.	COL.	TRANS
02	18		17	25 6	22 2		02	0	0	16	1			7		

					SUBSU	RFACE	FACE OBSERVATIONS							
	SAMPLE DEPTH (M)	,	°¢		*0	•1	*	L	¥ × AD	0:m1/1	v. +			
STD	0000	25	72	36	52	24	29	6	000		5046 6			
OBS	0000	25	72	36	52	124	29	1			5046 6			
STD	00101	25	53	36	57	124	38	þ	036		5045 8			
STO	00201	25	34	36	62	24	48	0	071		5045 1			
STD	00301	25	13	36	65	124	57	00	105		5044 2			
OBS	0040	24	92	36	68	24	66	1			5043 2			
510	0050	24	58	36	69	124	77	6	171		5041 2			
STD	0075	24	12	36	72	24	93	00	250		5039 0			
OBS	0075	24	12	36	72	124	93	1			5039 0			
STO	0100	24	23	36	76	24	92	0	327		5041 4			
OBS	0100	24	23	36	76	24	92				5041 4			
STD	0150	24	22	36	94	25	06	0	478		5044 7			
OBS	0150	24	22	36	94	25	06				5044 ?			
OBS	0175	23	50	36	88	25	20			10.3	5040 9			
STO	0200	22	40	36	82	25	51	0	616		5032 2			
ORS	0200	22	40	36	82	25	51	1			5032 2			
OBS	0225	20	46	36	63	25	90	1			5016 3			
OTO	0250	19	37	36	57	26	14	0	730		5007 7			
OBS	0250	19	37	36	57	26	14	1			5007 7			
STD	0300	18	25	36	48	26	36	0	823		4999 6			
085	0300	18	25	36	48	26	36	1			4999 6			
STD	0400	16	67	36	. 24	26	56	0	993		4988 8			
STD	0500	14	68	35	95	26	79	1	144		4972 8			
OBS	0500	14	68	35	95	26	79	1			4972 8			
STD	0600	12	28	35	61	27	03	1	275		4950 8			
OBS	0600	12	28	35	61	27	03	1			4950 8			
ORS	0650	11	26	35	45	27	10	1			4941 3			
ORS	0700	10	13	35	33	27	21	1			4930 3			
ORS	0750	09	32	35	25	27	28	1			4922 9			
STO	0800	08	38	35	18	27	38	1	481		4913 8			
ORS	0800	08	38	35	18	27	38	1			4913 8			
STD	1000	05	09	35	02	27	70	1	619		4881 5			
OBS	1000	05	09	35	02	27	70	1.	***		4881 5			
STO	1200	04	27		00	27	78	1	716		4881 3			
OBS	1300	03	98	34	99	27	80	1	851		4882 8			
STD	1500	03	88	34	98	27	80	1	031		4906 7			
OBS	1800	03	72	34	98	121	82	1			4900			
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					SURFACE	OBSE	RVATIONS					
NODC REF.	STATION			DATE			PO	SONIC	MAX.			
NO.	3141104	MO.	DAY	YEAR	HOUR	LA	TITUDE	LON	GITUDE		UNCORRECTED	DEPTH
31947	0024	05 23 1962 1	19	24	40 N	077	35	W	1850	18		

WIND		ANENO.	AIR	AIR TEM	PERATURE	HUMID.	WEATHER	CL	OUC	S	EA	SWE	LL			ATER		
SPEED	DIR.	HGT.	HGT.	HGT.	PRESS	DRY *	WET *	ITY	WEATHER	TYPE	AMT.	DIR.	AMT.	DIR.	AMT.	VIS.	COL	TRANS.
06	16		16	27 0	22 9		01	1	2	16	2			7				

					SUBSURFACE OBSER							
	SAMPLE DEPTH (M)	T°	°¢	s	% o ♦	•1	+	L	ΣΔΟ	0,m1/1	Vı	*
0	0000	25	90	36	58	24	28	0	000		5048	1
OBS	0000	25	90	36	58	24	28	1			5048	1
D	00101	25	72	36	67	24	40		036		5047	6
D	00201	25	53	36	73	24	51	1	071		5047	0
D	00301	25	32	36	77	24	60	0	105		5046	1
OBS	0040	25		36	79	24	69	-			5044	9
D	0050	24		36	72	24	75	0	171		5042	2
D	0075	24	-	36	68	24	88	0	250		5039	2
OBS	0075	24	- T/2 T	36	68	24	99	6	326		5042	0
OBS	0100	24		36	86	24	99	۲	320		5042	0
D	0150	24		37	00	25	14	6	474		5044	1
OBS	0150	24		37	00	25	14	1	7.7		5044	î
OBS	0175	23		36	93	25	30				5039	5
D	0200	22	1000	36	67	25	45	0	612		5030	0
OBS	0200	22		36	67	25	45	1			5030	0
ORS	0225	20		36	78	26	14	1			5012	8
D	0250	19	-	36	62	26	23	0	725		5006	2
OBS	0250	19	Thomas I	36	62	26	23	1			5006	2
D	0300	18	-	36	54	26	40	0	816		5000	2
OBS	0300	18		36	54	26	40	1			5000	2
D	0400	16		36	3·1	26	63	0	981		4988	6
D	0500	14		36	01	26	86	1	126		4972	1
ORS	0500	14	59	36	01	26	86				4972	1
D	0600	12	21.	35	64	27	06	1	251		4950	2
OBS	0600	12	21	35	64	27	06	1			4950	2
OBS	0650	10	84	35	46	27	18				4936	5
OBS	0700	09	85	35	36	27	28				4927	1
OBS	0750	09	11	35	30	27	35				4920	6
0	0800	80	05	35	22	27	46	1	445		4909	9
OBS	0800	08	05	35	22	27	46		W. Accel		4909	9
D	1000	05		35	09	27	75	1	571		4882	1
OBS	1000	05		35	09	27	75				4882	1
D	1200	04		35	05	27	82	1	660		4881	8
OBS	1300	03		35	04	27	84	1			4883	1
0	1500	03 .		35	04	27	85	1	782		4892	4
OBS	1800	03	67	35	04	27	87				4906	3
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					SURFACE	OBSE	RVATIONS					
NODC	STATION			DATE			PC	SITION			SONIC	MAX.
REF. NO.	STATION	MO.	DAY	YEAR	HOUR	LA	TITUDE	LON	GITUDE		UNCORRECTED	DEPTH
31947	0025	05	23	1962	22	24	40 N	077	35	W	1850	18

*	IND	ANEMO.	AIR	AIR TEMP	PERATURE	HUMID.	WEATHER	cre	ouc	. 5	EA	SWE	LL		w	ATER
SPEED	DIR.	HGT.	PRESS	DRY *	WET *	ITY			AMT.	DIR.	AMT.	DIR.	AMT.	VIS.	COL.	TRANS
06	14		16	25 2	22 1		02	6	2	16	3			7		

SAMPLE DEPTH (N) 0000 0000 0010 † 0020 † 0030 † 0040 0050 0075 0100 01100 0150 0175 0200	25 25 25 25 25 25 24 24 24 24 24 24 24 24 24 24	77 77 61 44 26 08 78 39 39 50 50 09	366666666666666666666666666666666666666	57 57 65 72 77 81 81 81	24 24 24 24 24 24 24 24 24	\$31 31 42 53 62 70 80	0 000 0 036 0 070 0 104	O:m 1/1	5047 5047 5046 5046 5045 5044 5043
0000 0010 † 0020 † 0030 † 0040 0050 0075 0075 0100 0150 0150 0150	25 25 25 25 24 24 24 24 24 24 24 23	77 61 44 26 08 78 39 39 50 50	366666666666666666666666666666666666666	57 65 72 77 81 81 81	24 24 24 24 24 24	31 42 53 62 70 80	0 036 0 070 0 104		5047 5046 5046 5045 5044
0010 † 0020 † 0030 † 0030 † 0040 0050 0075 0075 0100 0150 0150 0175	25 25 25 25 24 24 24 24 24 24 24 23	61 44 26 08 78 39 39 50 50	366666666666666666666666666666666666666	65 72 77 81 81 81	24 24 24 24 24	31 42 53 62 70 80	0 036 0 070 0 104		5046 5046 5045 5044
0010 † 0020 † 0030 † 0030 † 0040 0050 0075 0075 0100 0150 0150 0175	25 25 25 24 24 24 24 24 24 24 23	44 26 08 78 39 39 50 50	36 36 36 36 36 36	65 72 77 81 81 81	24 24 24 24 24	42 53 62 70 80	0 070	U. S	5046 5046 5045 5044
0020 † 0030 † 0040 0050 0075 0075 0100 0150 0150 0175	25 25 24 24 24 24 24 24 24 24 23	44 26 08 78 39 39 50 50	36 36 36 36 36	72 77 81 81 81 81	24 24 24 24	53 62 70 80	0 070	U.	5046 5045 5044
0030 f 0040 0050 0075 0075 0100 0100 0150 0150	25 25 24 24 24 24 24 24 24 24 24 23	26 08 78 39 39 50 50	36 36 36 36	77 81 81 81 81	24 24 24	62 70 80	0 104	U I	5045
0040 0050 0075 0075 0100 0100 0150 0150 0175	25 24 24 24 24 24 24 24 23	08 78 39 39 50 50	36 36 36 36	81 81 81 81	24	70	110		5044
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0075 0075 0100 0100 0150 0150 0175	24 24 24 24 24 24 23	39 39 50 50	36 36	81		70,000	P		1 2065
0075 0100 0100 0150 0150 0175	24 24 24 24 24 23	39 50 50 09	36	81	1	91	0 248		5041
0100 0100 0150 0150 0175	24 24 24 24 23	50 50 09	36		24	91	0		5041
0100 0150 0150 0150 0175	24 24 24 23	50 09		97	25	00	0 324		5044
0150 0150 0175 0200	24 24 23	09	00	97	25	00	0 324		5044
0150 0175 0200	24 23	1000	36	99	25	14	0 471		5043
0175 0200	23	07	-	99	25	14	0 411		5043
0200		20	36			_			
		39	36	95	25	32	6 105		5039
0200	21	91	36	79	25	62	0 605		5028
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0250	19	20	36	63	26	-			5006
0300	18	27	36	54	26	40	0 804		5000
0300	18	27	36	54	26	40	100		5000
0400	16	77	36 .	32	26	60	0 970		4990
0500	14	74	36	02	26	83	1 118	A	4973
0500	14	74	36	02	26	83		24	4973
0600		18	35	64		07	1 244		4949
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					SURFACE	OBSE	RVATIONS				
NODC REF.	STATION			DATE			PO	SITION		SONIC	MAX.
NO.	STATION	MO.	DAY	YEAR	HOUR	LA	TITUDE	LON	IGITUDE	UNCORRECTED	DEPTH
31947	0026	05	24	1962	01	24	40 N	077	35 W	1850	18

w	IND	ANEMO.		AIR TEMP	PERATURE	HUMID.	WEATHER	CLC	OUD	S	EA .	SWE	LL		w	ATER
SPEED	DIR.	HGT.	PRESS	DRY V	WET \$	ITY	WEATHER	TYPE	AMT.	DIR.	AMT.	DIR.	AMT.	VIS.	COL.	TRANS.
04	16		17	25 0	22 0		02			15	3			7		

SAMPLE EPTH (M) 000 000 010† 020† 030† 040 050 075 100 100 150 150 150 200	25 25 25 25 25 25 24 24 24 24 24 24 24 24	65 65 48 30 14 97 69 41 41 70 70 13	36 36 36 36 36 36 36 37 37	57 57 63 67 72 75 77 82 82	24 24 24 24 24 24 24 24 24 24 24	35 35 35 45 53 62 69 79 92 92	000 00	000 035 070 104 169 247	O:m 1/1	5046 5046 5045 5045 5044 5043 5042 5041
000 010† 020† 030† 040 050 075 075 100 100 150 150	25 25 25 25 24 24 24 24 24 24 24 24	65 48 30 14 97 69 41 41 70 70	36 36 36 36 36 36 37 37	57 63 67 72 75 77 82 82 03	24 24 24 24 24 24 24 24 24	35 45 53 62 69 79 92 92	000 00	035 070 104		5046 5045 5045 5044 5043 5042 5041
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150 175	24		36	99	25	13	6	472		5044
175		13	36	99	25	13	1	1-10		5044
	23	55	36	98	25	29	1			5040
	22	41	36	85	25	.53	b	608	1	5032
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STD 0400 16 95 36 35- 26 58 0 995 4992 STD 0500 14 94 36- 06 26 82 1 145 4976 OBS 0500 14 94 36- 06 26 82 1 145 4976 STD 0600 12 45 35- 68 27 05 1 275 4953 OBS 0650 11 19 35- 51 27 16 4940 OBS 0700 09 87 35- 36- 27 27 4921 STD 0800 08 40 35- 24- 27- 42- 1 473 4914 STD 1000 05- 15 35- 08- 27- 74- 1 604 4882 STD 1200 04- 35- 35- 08- 27-	
STD 0500 14 94 36 06 26 82 1 145 4976 OBS 0500 14 94 36 06 26 82 1 145 4976 STD 0600 12 45 35 68 27 05 1 275 4953 OBS 0650 11 19 35 51 27 16 4940 OBS 0700 09 87 35 36 27 27 4921 STD 0800 08 40 35 24 27 42 1 473 4914 STD 1000 05 15 35 08 27 74 1 604 4882 STD 1200 04 35 35 06 27 74 1 604 4882 OBS 1300 04 06 35 05 27 82 1 694 4884 • STD 1500 03 70 35 04 27 87 1 613 694	
OBS 0500	
OBS 0600 12 45 35 68 27 05 4953 OBS 0650 11 19 35 51 27 16 OBS 0700 09 87 35 36 27 27 OBS 0750 09 18 35 30 27 34 STD 0800 08 40 35 24 27 42 1 473 4914 OBS 0800 08 40 35 24 27 42 1 473 OBS 0800 05 15 35 08 27 74 STD 1000 05 15 35 08 27 74 STD 1200 04 35 35 06 27 82 1 694 4882 OBS 1300 04 06 35 05 27 84 STD 1200 03 70 35 04 27 87 1 613 4890	76 0
OBS 0650	
OBS 0700 09 87 35 36 27 27 4921 STD 0800 08 40 35 24 27 42 1 473 4914 OBS 0800 05 15 35 08 27 74 1 604 4882 OBS 1000 05 15 35 08 27 74 STD 1200 04 35 35 08 27 74 STD 1200 04 35 35 08 27 74 STD 1200 04 35 35 08 27 74 OBS 1300 04 06 35 05 27 82 1 694 4882 OBS 1300 04 06 35 05 27 84 STD 1500 03 70 35 04 27 87 1 613 4890	
OBS 0750 09 18 35 30 27 34 4921 5TD 0800 08 40 35 24 27 42 1 473 4914 5TD 1000 05 15 35 08 27 74 1 604 4882 OBS 1000 05 15 35 08 27 74 5TD 1200 04 35 35 06 27 82 1 694 4884 6884 685 685 685 685 685 685 685 685 685 685	Mary 1
STD 0800 08 40 35 24 27 42 1 473 4914 OBS 0800 08 40 35 24 27 42 42 4914 STD 1000 05 15 35 08 27 74 1 604 4882 OBS 1000 05 15 35 08 27 74 74 4882 STD 1200 04 35 35 06 27 82 1 694 4882 OBS 1300 04 06 35 05 27 84 64 4884 STD 1500 03 70 35 04 27 87 1 613 613	
OBS 0800 08 40 35 24 27 42 4882 STD 1000 05 15 35 08 27 74 1 604 4882 OBS 1000 05 15 35 08 27 74 4882 STD 1200 04 35 35 06 27 82 1 694 4882 OBS 1300 04 06 35 05 27 84 4884 STD 1500 03 70 35 04 27 87 1 613 4890	
STD 1000 05 15 35 08 27 74 1 604 4882 OBS 1000 05 15 35 08 27 74 1 604 4882 STD 1200 04 35 35 06 27 82 1 694 4882 OBS 1300 04 06 35 05 27 84 694 4884 STD 1500 03 70 35 04 27 87 1 613 613	
OBS 1000 05 15 35 08 27 74 4882 STD 1200 04 35 35 06 27 82 1 694 4882 OBS 1300 04 06 35 05 27 84 4884 STD 1500 03 70 35 04 27 87 1 613 694	
OBS 1300 04 06 35 05 27 84 4884 • STD 1500 03 70 35 04 27 87 1 613 4889	82 6
· STD 1500 03 · 70 35 .04 27 87 1 613 4890	1 4 4
08 1000 03 09 33 02 27 00	16 5

					SURFACE	OBSE	RVATIONS				
NODC REF.	STATION			DATE			PO	SITION		SONIC	MAX.
NO.	STATION	MO.	DAY	YEAR	HOUR	LA	TITUDE	LON	IGITUDE	UNCORRECTED	DEPTH
31947	0031	05	24	1962	16	24	40'N	077	35 W	1850	18

W	IND	ANEMO.	AIR	AIR TEMP	ERATURE	HUMID.	WEATHER	CLC	QUO	. SI	EA	SWE	LL		w	ATER
SPEED	ED DIR.	HGT.	PRESS	DRY *	WET *	ITY	WEATHER	TYPE	AMT.	DIR.	AMT.	DIR.	AMT.	VIS.	COL.	TRANS.
02	09		19	25 6	21 1		02	8	2	11	1			7		

STD OBS STD STD STD OBS	SAMPLE DEPTH (M)	T			SUBSUR		division to the same				
OBS STD STD STD			°¢		% o ♦	σι	+		ΣΔD	0:m1/1	v, +
STD STD STD	0000	25	60	36	51	24	32	6	000		5045 6
STD	0000	25	60	36	51	24	32				5045 6
STD	00101	25	29	36	54	24	44	0	036		5043 9
The second second	00201	25	04	36	57	24	54	0	070		5042 7
OBS	00301	24	83	36	60	24	62	6	104		5041 7
	0040	24	68								250
STD	0050	24	65	36	664	24	72	0	170		5041 6
STD	0075	24	55	36	72	24	80	0	250		5042 4
OBS	0075	24	55	36	72	24	60	-			5042 4
STD	0100	24	39	36	77	24	33	0	329		5042 7
OBS	0100	24	39	36	77	24	88	-	4.6.1		5042 7
STD	0150	23	84	36	84	25	10	0	481		5041 3
OBS	0150	23		b.	0.0	26	20	1			5040 9
OBS	0175	23	79	36	88	25	39	6	021		5035 4
OBS	0200	22	79	36	81	25	39	1	021		5035 4
OBS	0225	21	32	36	57	25	62	-			5023 5
STD	0250	19	79	36	60	26	06	0	739		5011 6
OBS	0250	19	79	36	60	26	06	1	, , ,		5011 6
STO	0300	18	43	36	51	26	34	6	036		5001 4
OBS	0300	18	43	36	51	26	34	1			5001 4
STD	0400	17	02	36 .	30	26	52	1	008		4992 5
STD	0500	14	94.	35	99	26	77	1	103		4975 7
OBS	0500	14	94	35	99	26	77	-			4975 7
STD	0600	12	18	35	58	27	02	1	295		4949 5
OBS	0660	12	18	35	58	21	02	1			4949 6
OBS	0650	10	88	35	42	27	14	1			4936 8
OBS	0700	09	81	35	29	27	23	-			4926 3
OBS	0750	09	15	35	25	27	31				4920 9
STD	0800	08	42	35	18	27	37	1	501		4914 3
OBS	0800	08	42	35	18	27	37				4914 3
STD	1000	05	25	35	08	27	73	1	638		4883 9
OBS	1000	05	25	35	08	27	73		2		4883 9
STD	1200	04	39	35	02	27	78	1	733		4883 0
OBS	1300	04	80	35	00	27	08	1	44.6		4884 2
STD	1500	03	69	34	98	21	82	1	864	200 E 1	4906 1
OBS	1800	0.3	67	134	98	27	83				4900 1

L	4				s	URFACE	OBSERV	ATIO	NS							
	NODC REF.	STATION		D	ATE				POSI	TION		180	so			AX.
	NO.	STATION	MO.	DAY	YEAR	HOUR	LATIT	UDE	1	LO	NGITUDI	1	UNCOR			PTH
	31947	0032	05	24	1962	19	24	40	N	017	35	'w	18	50	1	8
W	IND	ANEMO.	AIR	AIR TEM	PERATURE	HUMID.	111111111111111111111111111111111111111		QUO	SI	EA ·	sw	ELL		W	ATER
SPEED	DIR.	HGT.	PRESS	DRY 🖤	WET ¥	ITY	WEATHER		AMT.	DIR.	AMT.	DIR.	AMT.	VIS.	COL.	TRANS
03	12		18	28 3	22 7		01	8	1	11	1			7		

		200	SUBSU	RFACE OBSER	RVATIONS		
	SAMPLE DEPTH (M)	T °C ♦	s% o	°' +	ΣΔΟ	02m 1/1	V1 +
STD	0000	26 38	36 52	24 08	0 000		5051 5
OBS	0000	26 38	36 52	24 08			5051 5
STO	0010 t	25 92	36 42	24 15	0 035		5048 2
STD	00201	25 53	36 44	24 29	0 075		5045 9
STD	0030 t	25 20	36 40	24 36	0 112		2043 8
OBS	0040	24 95	36 36	24 40			5042 3
STD	0050	24 84	36 50	24 54	0 102	1000	5042 5
STD	0075	24 61	36 72	24 78	0 264		5042 9
OBS	0075	24 61 24 43	36 72 36 73	24 78	0 344		5042 8
STD	0100	24 43	36 73	24 84	0 344	15.4	5042 8
STD	0150	23 34	36 82	25 09	0 497	1 3	5041 2
OBS	0150	23 84	36 82	25 09	4 1 1	3 1 0	5041 2
OBS	0175	23 52	36 88	25 23	11 110		5040 3
STD	0200	22 42	36 78	25 47	0 635		5032 3
085	0200	22 42	36 78	25 47			5032 3
OBS	0225	20 59	36 54	25 80		13 3	5017 1
STD	0250	19 41	36 . 56	26 12	0 150		5008 0
OBS	0250	19 41	36 56	26 12			5008 0
STD	0300	18 34	36 48	26 34	0 645		5000 5
OBS	0300	18 34	36 48	25 34		1	5000 5
STD	0400	16 70	36 25	26 56	1 015		4989 2
STD	0500	14 51	35. 93	26 81	1 166		4971 0
OBS	0500	14 51	35 93	26 81			4971 0
STD	0600	11 76	35 53	27 06	1 293		4944 6
OBS	0600	11 76	35 53	27 06			4944 6
OBS	0650	10 62	35 39	27 17			4933 6
OBS	0700	09 61	35 30	27 27			4924 0
OBS	0750	08 83	35 22	27 34	1 200 000		4910 8
STD	0800	08 19	35 18	21 41	1 442		4911 5
OBS	0800	08 19	35 18	27 41	1 476		4911 5
STD	1000	05 16	35 04	27 71	1 626		4882 6
OBS	1000	05 16	35 04	27 71	1 /23		4882 6
STD	1200	04 34	35 01	27 80	1 123		4883 6
OBS	1500	03 67	34 98	27 83	1 854		4889 5
OBS	1800	03 66	34 97	27 82	. 034		4905 9
		05 00					

		-			SURFACI	E OBSE	RVATIONS					
NODC REF.	STATION		7 0	DATE			PC	SITION			SONIC	MAX.
NO.	SIATION	MO.	DAY	YEAR	HOUR	LA	TITUDE	LOF	IGITUDE		UNCORRECTED	DEPTH
31947	0033	05	24	1962	22	24	40'N	077	35	W	1850	18

w	IND	ANEMO.	AIR	AIR TEMP	ERATURE	HUMID.	WEATHER	CLC	OUD	SI	EA	SWE	LL .		w	ATER
SPEED	DIR.	HGT.	PRESS	DRY *	WET *	ITY			AMT.	DIR.	AMT.	DIR.	AMT.	VIS.	COL.	TRANS.
02	14		17	27 8	22 2		01	0	0	11.	1			7		

					SUBSU	RFACE	OBSE	RVATIONS		
	SAMPLE DEPTH (M)	T	°¢	7.	*0	σι	+	¥ ΣΔD	O:m1/1	V1 +
STD	0000	26	30	36	52	24	11	0 000		5050 9
OBS	0000	26	30	36	52	24	11			5050 9
STD'	00101	25	79	36	52	24	27	0 037		5047 6
STD	00201	25	37	36	52	24	40	0 074		5045 0
STD	00301	25	03	36	52	24	50	0 109		5042 9
OBS	0040	24	79	36	52	24	57			5041 6
STD	0050	24	74	36	59	24	64	0 176		5042 0
STD	0075	24	63	36	11	24	77	0 258		5043 0
OBS	0075	24	63	36	71	24	77			5043 0
STD	0100	24	52	36	. 18	24	85	0.338	Sucre a	5043 7
OBS	0100	24	52	36	18	24	85			5043 7
STD	0150	23	72	36	83	25	13	0 489		5040 3
OBS	0150	23	72	36	83	25	13			5040 3
OBS	0175	23	.29	36	88	25	29			5038 4
STD	0200	22	31	36	80	25	52	0 626		5031 4
OBS	0200	22	31	36	80	25	52			5031 4
OBS	0225	20	38	36	65	25	94			5015 7
STD	0250	19	42	36	57	26.	13	0 739		5008 1
OBS	0250	19	42	36	57	26	13			5008 1
STD	0300	18	38	36	49	26	33	0 834		5000 9
OBS	0300	18	38	36	49	26	33			5000 9
STD	0400	16	57	36	24	26	59	1 003		4987 8
STD	0500	14	39	35	93	26	84	1 151		4969 7
OBS	0500	14	39	35	93	26	84			4969 7
STD .	0600	11	84	35	. 56	27	07	1 2/7		4945 7
OBS	0600	11	84.	35	56	27	07		b to the same	4945 7
OBS	0650	10	69	35	40	27	16			4934 5
OBS	0700	09	68	35	30	27	26			4917 5
OBS	0750	08	91	35	15	27	33	1 473		4907 8
STD	0800	07	91	35	15	27	43	1 4/3		4907 8
OBS	1000	05	14	35	03	27	70	1 606	10 1 18	4882 3
OBS	1000	05	14	35	03	27	. 70	- 000		4882 3
STD	1200	04	33	35	01	27	78	1 703		4882 2
OBS	1300	04	03	35	00	27	80	NE SE	ACTIVITY OF	4883 5
TD	1500	03	66	34	99	27	83	1 832		4889 4
OBS	1800	03	65	34	98	27	83			4905 8
						1 .				

					SURFACE	OBSE	RVATIONS					
NODC DATE POSITION											SONIC	MAX.
NO.	STATION	MO.	DAY	YEAR	HOUR	LA	TITUDE	LON	GITUDE		UNCORRECTED	DEPTH
31947	0034	05	25	1962	01	24	40'N	077	35	W	1850	18

w	IND	ANEMO.		AIR TEMP	ERATURE	HUMID.	WEATHER	CLC	DUD	S	EA .	SWE	LL .		w	ATER
SPEED	DIR.	HGT.	PRESS	DRY *	WET *	ITY	WEATHER	TYPE	AMT.	DIR.	AMT.	DIR.	AMT.	VIS.	COL.	TRANS.
05	11		18	25 3	21 7		01	0	1	10	.2	10.00		7		

						7		-			-		-
	SAMPLE DEPTH (M)		°¢	8	**	•1	+	L	ΣΔD	♦	1/1	٧,	•
STD	0000	25	82	36	52	24	26	0	000			5047	,
OBS	0000	25	82	36	52	24	26					5047	1
STD	0010 t	25	53	36	52	24	35	0	036	75		5045	,
STD	00201	25	28	36	53	24	43	0	072			5044	٠
STD_	0030 t	25	07	36	53	24	50	0	107	all of		5043	,
OBS	0040	24	91	36	53	24	54	1		100		5042	
STD	0050	24	91	36	62	24	61	0	175	P.E.		5043	
STD	0075	24	68	36	73	24	77	0	257			5043	J
. OBS	0075	24	68	36	73	24	77			T		5043	,
STD	0100	24	12	36	67	24	89	0	336			5040	,
OBS	0100	24	12	36	67	24	89	1				5040)
STD	0150	23	70	36	86	25	16	0	486			5040)
OBS	0150	23	70	36	86	25	16					5040	,
OBS	0175	23	33	36	88	25	28	1		13.5		5038	•
STD	0200	22	18	36	72	25	49	0	622			5030	,
OBS	0200	22	18	36	72	25	49			SAR		5030	,
OBS	0225	20	88	36	67	25	82					5020	,
STD	0250	19	55	36	58	26	10	0	737			5009	,
OBS	0250	19	55	36	58	26	10					5009	,
STD	0300	18	39	36	49	26	33	0	832			5001	
OBS	0300	18	39	36	49	26	33					5001	
STD	0400	16	58	36	21	26	56	1	003	3 100		4987	
STD	0500	14	39	35	91	26	82	1	153	St.		4969	
OBS	0500	14	39	35	91	26	82	-				4969	
STD	0600	11	83	35	58	27	09	1	279			4945	
OBS	0600	11	83	35	58	27	09	-				4945	
OBS	0650	10	74	35	45	27	19					4935	,
OBS	0700	09	74	35	31	27	26					4925	,
OBS	0750	09	06	35	24	27	32			335		4919	,
STD	0800	07	88	35	17	27	45	1	471			4907	,
OBS	0'800	07	88	35	17	27	45					4907	,
STD	1000	05	16	35	03	27	70	1	602			4882	
OBS	1000	05	16	35	03	27	70					4882	
STD	1200	04	36	35	00	27	77	1	701			4882	
OBS	1300	04	06	34	99	27	79		M. Ed.			4883	,
STD	1500	03	68					1					
OBS	1800	03	65						4 64				
			•										
		- 6											
	1											F 8	
				1							1000		

		•				URFACE	OBSER	ATIO	NS							
	NODC REF.	STATION			DATE				POS	TION				NIC		AX.
	NO.	STATION	MO.	DAY	YEAR	HOUR	LATIT	UDE		LO	NGITUD	E	UNCOR	RECTE		PTH
	31947	0035	05	25	1962	04	24	40	N	077	35	'w	18	50	1	8
w	IND	ANEMO.	AIR	AIR TEN	PERATURE	HUMID-		CLO	UD	S	EA	sw	ELL .		w	ATER
PEED	DIR.	HGT.	PRESS	DRY V	WET *	ITY	WEATHER	TYPE	AMT.	DIR.	AMT.	DIR.	AMT.	VIS.	COL.	TRAN
07	13		19	26 1	21 7	100	02	8	1	17	2	- 1		7		

				39.5	SUBSU	RFACE	OBSER	RVATIONS		
	SAMPLE DEPTH (M)	'	°¢		*0	-1	+	¥ ZAD	Oam IA	V1 +
STD	0000	25	69	36	50	24	28	0 000	13	5046 3
OBS	0000.	25	69	36	50	24	28			5046 3
STD	00101	25	49	36	51	24	35	0 036	100	5045 3
STD	0020f	25	30	36	'51	24	41	0 072	of I	5044 4
STD	00301	25	11	36	51	24	47	0 107		5043 5
OBS	0040	24	92	36	52	24	53			5042 6
STD	0050	24	64	36	54	24	63	0 175		5041 1
STD	0075	24	27	36	59	24		0 257		5039 7
OBS	0075	24	27	36	59	24	78			5039 7
STD	0100	24	37	36	74	24	87	0 336		5042 4
OBS	0100	24	37	36	74	24	87			5042 4
STD	0150	23	66	36	83	25	15	0 487		5039 8
OBS	0150	.23	66	36	83	25	15			5039 8
OBS	0175	23	29	36	86	25	28	- 424		5038 3
STD	0200	22	42	36	75 75	25	45	0 624		5032 1
OBS	0225	21	13	36	70	25	77			5022 4
STD	0225	19	67	36	58	26	07	0 741		5010 4
OBS	0250	19	67	36		26	07	h 1-1		5010 4
STD	0300	18	42	36	48	26	32	0 837	7	5001 2
OBS	0300	18	42	36	48	26	32	0 00.		5001 2
STD	0400	16	85	36	28	26	55	1 010		4990 8
STD	0500	14	64	35	96	26	81	1 161		4972 5
OBS		14	64	35	96	26	81	0.000		4972 5
STD	0600	11	78	35	- 53	27	06	1 289		4944 9
OBS	0600	11	78	35	53	27	06	E Great		4944 9
OBS	0650	10	68	35	39	27	16	100		4934 3
OBS	0700	09	84	35	31	27	24	fin Est		4926 8
OBS	0750	09	17	35	24	27	30	130.00		4921 1.
STD .	0800	08	45	35	18	27	37	1 492		4914 7
OBS	0800	08	45	35	18	27	37	100		4914 7
STD	1000	05	25	35	03	27	69	1 633		4883 7
OBS	1000	.05	25	35	03	27	69	Macha .	V. 1	4883 7
STD	1200	04	45	35	00	27	2.00	1 734		4883 7
003	1300	04	15	34	99	27	78		5	4885 1
STD	1500	03	76	34	98	27	82	1 869	0	4890 7
OBS	1800	03	68	34	97	27	82			4906 1
				1						
										7
				1					CA STORY	
				1						
									THE RELLAND	
1										A Table
	Taring the state of					1				
	100									
	TO THE REAL PROPERTY.			12		•				

					SURFACE	OBSE	RVATIONS				
NODC	REF. STATION										MAX.
NO.	STATION	MO.	DAY	YEAR	HOUR	LA	TITUDE	LON	IGITUDE	UNCORRECTED	DEPTH
31947	0036	05	25	1962	07	24	40 N	077	35 W	1850	18

W	IND	ANEMO.	AIR	AIR TEMP	ERATURE	HUMID.	WEATHER	CLC	OUD	S	EA .	SWE	LL .		W	ATER
SPEED	DIR.	HGT.		ITY			AMT.	DIR.	AMT.	DIR.	AMT.	vis.	COL.	TRANS.		
05	14		18	24 9	21 6		00	0	0	15	-1			7		

	CAMPIE	-0-			~ -			1 -			T	-
	SAMPLE DEPTH (M)	T °¢	(Pale	•	* o ★	*1	+	+ E	ΔD	O:m 1/1	٧,	*
STD	0000			36	50	24	30	0 00	0		5045	9
OBS	0000	10.00		36	50	24	30				5045	9
STD	0010+			36	50	24	35	0 03	TOTAL A	5 S	5045	1
STD	0020†			36	51	24	42	0 07	33 4 4		5044	3
STD	00301	70.0		36	51	24	47	0 10	6		5043	4
OBS	0040			36	51 52	24	61	0 17			5042	-
STD	0050	-		36	55	24	75	0 17	-		5039	
OBS	0075			36	55	24	75	7			5039	
STD	0100			36	70	24	87	0 33	7		5041	
OBS	0100	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	A 200 A 100 A	36	70	24	87				5041	1
STD	0150			36	82	25	12	0 48	8		5040	:
OBS	0150			36	82	25	12				5040	2
OBS	0175	23	29	36	83	25	26				5038	2
STD	0200	22	33	36	71	25	44	0 62	ĉ .		5031	2
OBS	0200		-	36	71	25	44	1			5031	2
OBS	0225		ZAMESTA M	36	67	25	87				5018	4
STD	0250			36	62	26	11	0 74	2		5010	3
OBS	0250			36	48*	26	00*					
STD	0300		-	36	50	26	35	0 83	7		5000	7
OBS	0300			36	50	26	35	1			5000	7
STD	0400	,		36	26	26	53 79	1 00			4990	1
STD	0500	77	5 500	35	94	26	79	1 16			4972	
STD	0500			35	54	27	07	1 28	0		4944	6
ОВЯ	0600			35	54	27	07	20	'		4944	6
OBS	0650		15 1935	35	36	27	19	3 3 3			4930	6
OBS	0700			35	29	27	26	905			4924	4
OBS	0750	100000	1000	35	24	27	31				4920	0
STD	0800		30.55	35	18	27	38	1 49	0		4914	0
OBS	0800	08	39	35	18	27	38				4914	0
STD	1000	05	31	35	04	27	69	1 63	0		4884	6
OBS	1000			35	04	27	69				4884	6
STD	1200			35	00	27	76	1 73	1		4883	7
OBS	1300		70.7	34	99	27	79				4884	8
STD	1500		0.00	34	97	27	81	1 86	7		4890	1
OBS	1800	03	65	34	97	27	82	400	20 0	3	4905	7
1.												
					2							
SIN TO			. 1			1 1		10.3	1			

1.5					SURFACE	OBSE	RVATIONS				
NODC REF.	STATION			DATE			PO	SITION		SONIC	MAX.
NO.	SIATION	MO.	DAY	YEAR	HOUR	L	TITUDE	LON	GITUDE	UNCORRECTED	DEPTH
31947	0037	05	25	1962	10	24	40'N	077	35 W	1850	18

w	IND	ANEMO.	AIR	AIR TEMP	ERATURE	HUMID.	WEATHER	CLC	OUD		ZA	SWE	LL .			ATER
SPEED	DIR.	HGT.	PRESS	DRY *	WET V	ITY			AMT.	DIR.	AMT.	DIR.	AMT.	VIS.	COL.	TRANS.
04	10	4 4 70	17	25 0	22 1		00	0	0	12	2			7		.600

				_	SUBSU	RFACE	OBSE	HVA			
	SAMPLE DEPTH (M)	'	°¢		**	"	+	1	Y AD	O:m1/1	" 1
STD	0000	25	63	36	50	24	30	0	000		5045
OBS	0000	25	63	36	50	24	30				5045
STD	00101	25	44	36	50	24	36	00	036		5044
STD	00201	25	25	36	49	24	41	þ	072		5044
STD	00301	25	07	36	49	24	47	þ	107		5043
OBS	0040	24	89	36	49	24	52				5042
STD	0050	24	65	36	51	24	61	0	175		5041
STD	0075	24	30	36	55	24	74		258		5039
OBS	0075	24	30	36	55	24	74				5039
STD	0100	24	28	36	68	24	85	0	338		5041
OBS	0100	24	28	36	68	24	85	1			5041
STD	0150	23	82	36	86	25	12	0	489		5041
OBS	0150	23	82	36	86	25	12				5041
OBS	0175	23	33	36	80	25	22	1			5038
STD	0200	22	49	36	72	25	40	0	628		5032
OBS	0200	22	49	36	72	25	40	1			5032
OBS	0225	21	25	36	71	25	74				5023
STD	0250	19	88	36	59	26	02	b	747		5012
OBS	0250	19	88	36	59	26	02				5012
STD	0300	18	48	36	49	26	31	6	845		5001
OBS	0300	18	48	36	49	26	31				5001
STD	0400	17	08	36	29	26	50	1	020		4993
STD	0500	14	92	35	98	26	76		176		4975
	0500	14	92	35	98	26	76	1	• • •		4975
OBS	0600	11	99	35	. 56	27	04	1	307		4947
STD	0600				56	27	04	-	201		4947
OBS	0650	11	09	35	44	27	12	1			4939
	0700	10	03	35	34	27	23				4929
OBS	0750	09	22	35	25	27	30				4921
OBS	0800	08	69	35	20	27	34	1	514	200	4917
STD		1	69	35	20	27	34	-	744	Wilder III	4917
OBS	0800	08				A STATE OF THE PARTY OF THE PAR	69	1,	460		4884
STD	1000	05	33	35	04	27	69	1	658	1	4884
OBS	1000	05	33	35	04	27		1	760	1000	4884
STD	1200	04	50	35	01	27	76	1	759	0.4	4885
OBS	1300	04	19	35	00	27	100	1	905		4891
OBS	1500 1800	03	78 69	34	98	27	81	1	895	5 6 3	4906
083	1000	05									

					SURFACI	OBSE	RVATION	S				
NODC REF.	STATION			DATE				POSITION			SONIC	MAX.
NO.	STATION	MO.	DAY	YEAR	HOUR	u	TITUDE		ONGITUDE		UNCORRECTED	DEPTH
31947	0038	05	25	1962	13	24	40'N	077	35	W	1850	18

*	IND	ANEMO.		AIR TEMP	ERATURE	HUMID.	WEATHER	CLC	OUD	S	EA.	SWE	LL		W	ATER
SPEED	DIR.	HGT.	PRESS	DRY *	WET *	ITY	WEATHER	TYPE	AMT.	DIR.	AMT.	DIR.	AMT.	VIS.	COL.	TRANS.
04	09		19	26 6	22 8		01	8	1	10	. 2			7		

4	09	119	1 26	6 1	22 8	<u> </u>	10	01 0	8	1 10	2			7
					nie i	SUBSU	RFACE	OBSE	RV	ATIONS				
		SAMPLE DEPTH (M)	'	°¢	8	*0	•1	+		¥ Z AD	0.m	1/1	V,	+
	STD	0000	25	64	36	49	24	29	6	000			5045	8
	OBS	The second secon	25	64	36	49	24	29					5045	8
	STD	00101	25	40	36	49	24	36	0	036			5044	6
	STD	0020† 0030†	25	18	36	50	24	50	00	106			5043	5
	OBS		24	80	36	50	24	56	٢	100			5041	6
	STD	0050	24	63	36	51	24	61	6	174			5040	9
	STD	0075	24	32	36	55	24	74	6	257			5040	ó
	OBS		24	32	36	55	24	74					5040	0
	STD	0100	24	15	36	65	24	87	0	337			5040	4
	OBS	0100	24	15	36	65	24	87					5040	4
	STO	0150	23	73	36	83	25	13	0	488			5040	4
	OBS	0150	23	73	36	83	25	13					5040	4
	OBS	0175	23	45	36	84	25	22	1				5039	5
	STO	0200	22	30	36	71	25	45	0	626			5031	0
	OBS	0200	22	30	36	71	25	45					5031	0
	OBS	0225	20	97	36	68	25	80	1				5020	9
	STD	0250	19	74	36	59	26	06	0	742			5011	1
	OBS	A STATE OF THE PARTY OF THE PAR	19	74	36	59	26	06	6				5011	1
	STD	0300	18	54	36	50	26	30	0	840			5002	4
	STD	0300	18	94	36	50	26	30 53	1	014			5002	6
	STD	0400	14	74	35	28 96	26	79	1	167			4973	5
	OBS	0500	14	74	35	96	26	79	1	101			4973	5
	STD	0600	ii	94	35	55	27	05	1	297			4946	8
	OBS	0600	11	94	33	55	27	05	-				4946	8
	OBS	0650	10	95	35	44	27	15	1				4937	7
	OBS	0700	09	81	35	32	27	25	1				4926	4
	OBS	0750	08	99	35	23	27	32					4918	8
	STD	0800	08	46	35	18	27	36	1	502		- 19	4914	8
	OBS	0800	08	46	35	18	27	36	1				4914	8
	STD	1000	05	19	35	04	27	71	1	641			4883	0
	OBS	1000	05	19	35	04	27	71					4883	0
	STD	1200	04	41	35	02	27	78	1	739			4883	3
	OBS	1300	04	12	35	01	27	80					4884	8
	STD	1500	03		35	00	27	83	1	869			4890	5
	OBS	1800	03	68	34	98	27	82					4906	2
									1					
									1					
				,										
									1					
			139											
									1					
			1982				- 1							
					100									
	1 A 4 2 1	HO POST			-				1				4	
					-					Land Control				1
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			1							1000	+			
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					SURFACI	OBSERVATIONS			
NODC REF.	STATION			DATE		PC	SITION	SONIC	MAX.
NO.	STATION	MO.	DAY	YEAR	HOUR	LATITUDE	LONGITUDE	UNCORRECTED	DEPTH
31947	0039	05	25	1962	16	24 40'N	077 35'W	1850	18

w	IND	ANEMO.	AIR	AIR TEM	PERATURE	HUMID.	WEATHER	CL	OUD	. 5	EA	SWE	LL-			ATER
SPEED	DIR.	HGT.	PRESS	DRY *	WET *	ITY			AMT.	DIR.	AMT.	DIR.	AMT.	VIS.	COL.	TRANS.
03	07		20	26 1	22 2		02	8	2	09	1	0.5		7		

			476	1116	SUBSU	RFACE	OBSE	RVA	TIONS			
	SAMPLE DEPTH (M)	т°	°¢		*°	•1	+		ΣΔΟ	O:m1/1	٧,	+
STD	0000	25	96	36	51	24	21	0	000		5048	:
OBS	0000	25	96	36	51	24	21				5048	1
STD'	0010+	25	65	36	50	24	29	b	037		5046	
STD	00201	25	37	36	50	24	38	þ	073		5044	•
STD	00301	25	13	36	49	24	45	0	108		5043	-
OBS	0040	24	92	36	49	24	51	1			5042	
STD	0050	24	78	36	51	24	57	þ	177		5042	
STD	0075	24	45	36	58	24	72	þ	260		5041	
OBS	0075	24	45	36	58	24	72				5041	-
STD	0100	24	16	36	68	24	88	þ.	340		5040	-
OBS	0100	24	16	36	68	24	88				5040	1
STD	0150	23	73	36	83	25	13	0	491		5040	-
OBS	0150	23	73	36	83	25	13	1		S (- 1)	5040	-
OBS	0175		. 36	36	85	25	25				5038	•
STD	0200	22	37	36	78	25	48	p	628		5031	-
OBS	0200	22	37	36	78	25	48			8 6	5031	1
OBS	0225	21	19	36	70	25	75				5022	4
STD	0250	19	50	36	59	26	12	0	742		5008	•
OBS	0250	19	50	36	59	26	12				5008	4
STD	0300	18	49	36	50	26	31	0	838		5002	(
OBS	0300	18	49	36	50	26	31	1			5002	(
STD	0400	16	76	36	24	26	54	-	011		49.89	-
STD	0500	14	52	35	92	26	80	1	162		4971	(
OBS	0500	14	52	35	92	26	80	1			4971	(
STD	0600	11	77	35 .	55	27	08	1	290		4944	6
OBS	0600	11	77.	35	55	27	08			D. S. D.	4944	8
OBS	0650	10	75	35	38	27	14	1			4935	1
OBS	0700	09	68	35	30	27	26	1			4924	8
OBS	0750	09	09	35	22	27	30	1.		9 17	4920	9
STD	0800	08	61	35	20	27	36	1	492		4916	
OBS	0800	08	61	35	20	27	36		633		4916	
STD	1000	05	17	35	03	27	70	1	633		4882	-
OBS	1000	05	17	35	03	27	77	1	732		4883	6
STD	1200	04	39	35	01	27	80	1	132	196	4884	
OBS	1300	04	10	35	99	27	83	h	863		4890	1
OBS	1800	03	67	34	99	27	83	1	003		4906	1
063	1000	03	01	-	77	2	03				4,00	
									11			
1												
									No.			
1.												
					•						17.1	
1						1					100	

				112 (3)	SURFACI	OBSERVATIO	NS		
NODC REF.	STATION			DATE			POSITION	SONIC	MAX.
NO.	SIATION	MO.	DAY	YEAR	HOUR	LATITUDE	LONGITUDE	UNCORRECTED	DEPTH
31947	0040	05	25	1962	19	24 40	N 077 35 W	1850	18

W	IND	ANEMO.	AIR	AIR TEMP	ERATURE	HUMID-	WEATHER	CLC	OUO	S	ÈA.	SWE	LL		W	ATER
SPEED	DIR.	HGT.	PRESS	DRY W	WET *	ITY			AMT.	DIR.	AMT:	DIR.	AMT.	VIS.	COL.	TRANS.
03	11		18	28 2	23 8	120	01	8	1	09	· 2			7		20

SAMPLE (M)	26 26 26 25 25 24 24 24 24 24 23 23	58 58 04 59 21 92 84 55 55 15	36 36 36 36 36 36 36 36	52 52 51 51 50 50 54 62	24 24 24 24 24 24 24 24 24	02 02 18 32 43 52 57	0 000	000 038 075 111	Osm I/I	5052 5052 5049 5046 5044 5042	9 9 9 6
0000 010 † 020 † 030 † 040 055 075 0100 1100	26 26 25 25 24 24 24 24 24 24 23	58 04 59 21 92 84 55 55 15	36 36 36 36 36 36 36	52 51 51 50 50 54	24 24 24 24 24	02 18 32 43 52	000	038 075		5052 5049 5046 5044	5
010 † 020 † 030 † 040 055 075 100 100 150	26 25 25 24 24 24 24 24 24 24 23	04 59 21 92 84 55 55	36 36 36 36 36 36	51 51 50 50 54	24 24 24 24	18 32 43 52	00	075	£.	5049 5046 5044	:
020 † 030 † 040 050 075 075 100 150 150	25 25 24 24 24 24 24 24 24 23	59 21 92 84 55 55 15	36 36 36 36 36	51 50 50 54	24 24 24	32 43 52	00	075	S	5046 5044	-
030 † 040 050 075 075 100 150 150	25 24 24 24 24 24 24 23	21 92 84 55 55 15	36 36 36 36	50 50 54	24	43 52	0		4	5044	
0040 0050 0075 0075 1000 1000 1500 175	24 24 24 24 24 24 23	92 84 55 55 15	36 36 36	50 54	24	52	1	111	*		
050 075 075 100 100 150 150	24 24 24 24 24 23	84 55 55 15	36 36 36	54		-				5042	1
075 075 100 100 150 175	24 24 24 24 23	55 55 15	36		24	57	1_			1 2045	(
100 100 150 150	24 24 24 23	55 15	36	62		21	0	180	3 3	5042	-
100 100 150 150	24 24 23	15			24	72	0	263		5042	(
100 150 150 175	24 23		The same of	62	2.4	72				5042	1
150 150 175	23	15	36	68	24	89	0	343		5040	!
150 175	23		36	68	24	89				5040	!
175	23	91	36	91	25	13	0	493		5042	1
175		91	36	91	25	13				5042	1
	23	33	36	85	25	26	1			5038	
	22	51	36	79	25	45	0	631		5033	(
200	22	51	36	79	25	45	1			5033	(
225	20	40	36	65	25	93	1			5015	
250	19	16	36	55	26	18	0	745		5005	7
			E 1997				1			5005	
	1000						6	838		4999	5
The state of the s	1 37 30				The second second		1			4999	5
The second second						100	1	008			6
					-	4	100	and the same of th			2
						100	1			The second second	1
	100000				The state of the s		1	284		A STATE OF THE STA	-
	-			H COLUMN	1000		1	-			
10.00					100	-	1		- T1	100000	-
Control of the Contro		1000000		1000000					C. L. MY		2
				-		-	1	TENE		Company of the control of the contro	7
CONTRACTOR OF THE CONTRACTOR O	10.00				1		,	405			4
						a vice that	1	403		1.70	4
	30.00						1	496		1000	144
			1000				1	023			1
100				-	1			724	2	112.00	
	200 300						1	124			1
Control Control	25000				1		1.	050	T I I		4
(E) (E) (E)						100 100	1	824			1
800	03	68	34	96	27	81	1			4906	1
										1	
	250 300 300 500 600 600 600 600 600 800 000 200 800	300 18 300 16 500 14 500 11 6500 11 6600 11 650 10 700 09 750 08 800 08 800 08 600 05 000 05 000 05	300	300	300 18 28 36 48 300 18 28 36 48 400 16 65 36 24 500 14 45 35 92 500 14 45 35 92 600 11 68 35 53 600 11 68 35 53 650 10 38 35 37 700 09 55 35 29 800 08 98 35 19 800 08 50 35 19 000 05 20 35 04 000 05 20 35 04 000 04 10 34 99 300 04 10 34 97 800 03 68 34 96	300 18 28 36 48 26 300 18 28 36 48 26 300 18 28 36 48 26 400 16 65 36 24 26 500 14 45 35 92 26 600 11 68 35 53 27 600 11 68 35 53 27 600 11 68 35 53 27 700 09 55 35 29 27 750 08 98 35 22 27 800 08 50 35 19 27 800 08 50 35 19 27 800 05 20 35 04 27 200 04 40 35 00 27 300 04 10 34 99 27 500 03 68 34 96 27 </td <td>300 18 28 36 48 26 35 300 18 28 36 48 26 35 400 16 65 36 24 26 57 500 14 45 35 92 26 82 500 14 45 35 92 26 82 600 11 68 35 53 27 08 650 10 38 35 37 27 19 700 09 55 35 29 27 27 750 08 98 35 22 27 37 800 08 50 35 19 27 37 800 08 50 35 19 27 37 800 05 20 35 04 27 70 000 05 20 35 04 27 70 000 05 20 35 04 27 70</td> <td>300 18 28 36 48 26 35 0 300 18 28 36 48 26 35 1 400 16 65 36 24 26 57 1 500 14 45 35 92 26 82 1 500 14 45 35 92 26 82 1 600 11 68 35 53 27 08 1 650 10 38 35 37 27 19 700 09 55 35 29 27 27 750 08 98 35 22 27 31 800 08 50 35 19 27 37 1 800 08 50 35 19 27 37 1 800 05 20 35 04 27 70 1 200 04 40 35 00 27 7</td> <td>300</td> <td>300</td> <td>300 18 28 36 48 26 35 0 838 4999 300 18 28 36 48 26 35 0 838 4999 400 16 65 36 24 26 35 1 008 4998 500 14 45 35 92 26 82 1 157 4970 600 11 68 35 53 27 08 1 284 4943 650 10 38 35 37 27 19 4930 650 10 38 35 37 27 19 4930 700 09 55 35 29 27 27 4923 490 08 98 35 22 27 31 4923 800 08 50 35 19 27 37 1 485 800 08 50 35 19 27 70 4883</td>	300 18 28 36 48 26 35 300 18 28 36 48 26 35 400 16 65 36 24 26 57 500 14 45 35 92 26 82 500 14 45 35 92 26 82 600 11 68 35 53 27 08 650 10 38 35 37 27 19 700 09 55 35 29 27 27 750 08 98 35 22 27 37 800 08 50 35 19 27 37 800 08 50 35 19 27 37 800 05 20 35 04 27 70 000 05 20 35 04 27 70 000 05 20 35 04 27 70	300 18 28 36 48 26 35 0 300 18 28 36 48 26 35 1 400 16 65 36 24 26 57 1 500 14 45 35 92 26 82 1 500 14 45 35 92 26 82 1 600 11 68 35 53 27 08 1 650 10 38 35 37 27 19 700 09 55 35 29 27 27 750 08 98 35 22 27 31 800 08 50 35 19 27 37 1 800 08 50 35 19 27 37 1 800 05 20 35 04 27 70 1 200 04 40 35 00 27 7	300	300	300 18 28 36 48 26 35 0 838 4999 300 18 28 36 48 26 35 0 838 4999 400 16 65 36 24 26 35 1 008 4998 500 14 45 35 92 26 82 1 157 4970 600 11 68 35 53 27 08 1 284 4943 650 10 38 35 37 27 19 4930 650 10 38 35 37 27 19 4930 700 09 55 35 29 27 27 4923 490 08 98 35 22 27 31 4923 800 08 50 35 19 27 37 1 485 800 08 50 35 19 27 70 4883

					SURFACI	E OBSE	RVATIONS				
NODC REF.	STATION			DATE			PC	SITION		SONIC	MAX.
NO.	STATION	MO.	DAY	YEAR	HOUR	LA	TITUDE	LOR	IGITUDE	UNCORRECTED	SAMPLE
31947	0041	05	25	1962	22	24	40'N	077	35 W	1850	18

W	ND	ANEMO.	AIR	AIR TEMP	ERATURE	HUMID-	WEATHER	CLC	DUD	S	EA	SWE	LL.		W	ATER
SPEED	DIR.	HGT.	PRESS	DRY W	WET *	ITY			AMT.	DIR.	AMT.	DIR.	AMT.	VIS.	COL.	TRANS.
03	11		18	27 8	23 3	14	01	8	1	10	2	86		7		

V 1					SUBSU	RFACE	OBSE	HVA	TIONS			
1.5.	SAMPLE DEPTH (M)	7	°¢ *		**	•t	+		ΣΔD	0:m1/1	٧,	•
STD	0000	26	20	36	50	24	12	0	000		5050	1
OBS	0000	26	20	36	50	24	12				5050	1
STD	0010 t	25	79	36	51	24	26	þ			5047	6
STD	00201	25	43	36	51	24	37	-	074	S + 00	5045	4
STD	0030 t	25	12	36	51	24	47	p	109		5043	6
OBS	0040	24	85	36	52	24	56	-			5042	1
STD	0050	24	66	36	53	24	62	0			5041	2
STD	0075	24	29	36	56	24	76	0	260		5039	8
OBS	0075	24	29	36	56	24	76	1	220		5039	8
STD	0100	24	09	36	69	24	91	0	339		5040	0
OBS	0100	24	09	36	69	24	15	6	488		5041	3
STD	0150	23	82	36	89	25	15	٢	400		5041	3
OBS OBS	0175	23	11	36	82	25	30	1			5036	7
	0200	22	03	36	75	25	56	h	623		5028	9
STD	0200	2.2	03	36	75	25	56	٢	223		5028	9
OBS	0225	20	31	36	62	25	93				5014	9
STD	0250	19	16	36	56	26	19	6	734		5005	7
OBS	0250	19	16	36	56	26	19	1			5005	7
STD	0300	18	21	36	46	26	35	b	827		4999	2
OBS	0300	18	21	36	46	26	35				4999	2
STD	0400	16	68	36	27	26	58	6	996		4989	1
STD	0500	14	57	35	97	26	83	li	144		4971	8
OBS	0500	14	57	35	97	26	83				4971	8
STD	0600	11	87	35	- 56	27	07	1	271		4946	0
OBS	0600	11	87.	35	56	27	07				4946	0
OBS	0650	10	72	35	40	27	16				4934	8
OBS	0700	09	56	35	27	27	26				4923	2
OBS	0750	08	98	35	21	27	31	1			4918	6
STD	0800	08	41	35	19	27	38	1	472		4914	2
OBS	0800	08	41	35	19	27	38				4914	
STO	1000	05	04	35	03	27	72	1	609		4880	9
OBS	1000	05	04	35	03	27	72	1			4880	9
STO	1200	04	39	34	98	27	75	1	708		4882	8
OBS	1300	04	14	34	97	27	77	1	845		4884	9
STD	1500	03			98		1000000	1	045		4906	1000
OBS	1800	03	66	34	99	27	83	1			4900	٠
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								-				

				- 1010	SURFACE	OBSE	RVATIONS					
NODC REF.	STATION			DATE			PC	SITION			SONIC	MAX.
NO.	SIATION	MO.	DAY	YEAR	HOUR	LA	TITUDE	LON	GITUDE		DEPTH S	DEPTH
31947	0042	05	25	1962	01	24	40'N	077	35	W	1850	18

W	IND	ANEMO.		AIR TEMP	ERATURE	HUMID-	WEATHER	CLC	DUD	S	EA	SWE	LL		w	ATER
SPEED	DIR.	HGT.	PRESS	DRY W	WET ¥	ITY			AMT.	DIR.	AMT.	DIR.	AMT.	VIS.	COL.	TRANS.
05	09		18	26 1	23 1		01	8	1	08	. 2			7		

	No contract		A Proces	2017	suesu	RFACE	OBSER	RVATIONS		
	SAMPLE DEPTH (M)	'	°¢	8	% o ↓	-t	+	ΣΔ D	0:m1/1	v, +
STD	0000	25	99	36	51	24	20	0 000		5048
OBS	0000	25	99	36	51	24	20			5048
STD	0010 +	25	65	36	51	24	30	0 037		5046
STD	00201	25	34	36	50	24	39	0 073		5044
STD	00301	25	07	36	50	24	47	0 108		5043
OBS	0040	24	83	36	50	24	55			5041
STD	0050	24	62	36	51	24	62	0 176		5040
STD	0075	24	25	36	56	24	77	0 258		5039
OBS	0075	24	25	36	56	24	77			5039
STD	0100	24	13	36	67	24	89	0 338		5040
OBS	0100	24	13	36	67	24	89			5040
STD	0150	23	73	36	83	25	13	0 488		5040
OBS	0150	23	73	36	83	25	13			5040
OBS	0175	23	33	36	83	25	24			5038
STD	0200	22	25	36	78	25	52	0 625		5030
OBS	0200	22	25	36	78	25	52			5030
OBS	0225	21	12	36	69	25	77			5022
STD	0250	19	57	36	59	26	11	0 739		5009
OBS	0250	19	57	36	59	26	11			5009
STD	0300	18	39	36	47	26	32	0 834		5000
OBS	0300	18	39	36	47	26	32'		100	5000
STD	0400	16.	77	36	26	26	55	1 006		4989
STD	0500	14	68	35	96	26	80	1 158	100	4972
OBS	0500	14	68	35	96	26	80			4972
STD	0600	12	11	35	58	27	04	1 288		4948
овя	0600	12	11	35	58	27	04			4948
OBS	0650	10	91	35	44	27	15			4937
OBS	0700	09	80	35	31	27	25			4926
OBS	0750	09	10	35	22	27	29			4920
STD	0800	08	54	35	18	27	35	1 495		4915
OBS	0800	08	54	35	18	27	35			4915
STD	1000	05	15	35	03	27	70	1 636		4882
OBS	1000	05	15	35	03	27	70	- 050	E1 - E0	4882
STD	1200	04	42	35	01	27	77	1 734		4883
OBS	1300	04	15	35	00	27	79			4885
STD	1500	03	79	34	99	27	82	1 868		4891
OBS	1800	03	70	34	99	27	83			4906
	1000									
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					SURFACI	OBSE	RVATIONS				
NODC REF.	STATION	Mosk		DATE			PO	SITION		SONIC	MAX.
NO.	STATION	MO.	DAY	YEAR	HOUR	LAT	TITUDE	LON	IGITUDE	UNCORRECTED	DEPTH
31947	0043	05	26	1962	04	24	40'N	077	35 N	1850	18

w	IND	ANEMO.	AIR	AIR TEMP	PERATURE	HUMID-	WEATHER	CLC	DUD	5	EA	SWE	LL.		w	ATER
SPEED	DIR.	HGT.	PRESS	DRY *	WET *	ITY	WEATHER	TYPE	AMT.	DIR.	AMT.	DIR.	AMT.	VIS.	COL.	TRANS.
04	11		18	25 4	23 4		02	8	2	10	2			7		

SAMPLE DEPTH (M) 0000 0000 0010 † 0020 † 0030 † 0040 0050 0075 0100 0100 0150 0150 0250 0200 0225 0250 0300 0300 0300 0400 0500	25 25 25 25 25 25 24 24 24 24 24 23 23 23 22 22 20 19 18 18	95 95 95 64 36 11 88 67 28 11 11 70 70 22 21 21 44 27 28	36 36 36 36 36 36 36 36 36 36 36 36 36 3	\$0 50 50 50 49 49 56 68 82 84 77 77 62 56	24 24 24 24 24 24 24 24 24 25 25 25 25 25	20 20 30 38 45 52 60 76 76 90 90 13 13 28 52 90	0 000 0 037 0 073 0 108 0 177 0 259 0 339 0 489	Oam I/I	5048 3 5046 4 5043 4 5043 5 5040 2 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 5040 1 50
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0010 t 0020 t 0030 t 0040 0050 0075 0100 0100 0150 0175 0200 0200 0225 0250 0250 0300 0300 0400	25 25 25 24 24 24 24 23 23 22 22 20 19 18 18	64 36 11 88 67 28 28 11 70 70 22 21 21 44 27 27	333333333333333333333333333333333333333	50 49 49 50 56 68 82 82 84 77 77 62	24 24 24 24 24 24 24 25 25 25 25 25	30 38 45 52 60 76 76 90 13 13 28 52	0 073 0 108 0 177 0 259 0 339 0 489		5046 4 5044 8 5043 4 5042 2 5041 2 5039 7 5039 7 5040 2 5040 1 5040 1
0020† 0030† 0040 0050 0075 0100 0100 0150 0175 0200 0200 0225 0250 0250 0300 0400	25 25 24 24 24 24 24 23 23 22 22 20 19 18 18	36 11 88 67 28 28 11 70 70 22 21 21 44 27 27	888888888888888888888888888888888888888	49 49 50 56 68 82 82 84 77 77 62	24 24 24 24 24 24 25 25 25 25 25 25	38 45 52 60 76 90 13 13 28 52 52	0 073 0 108 0 177 0 259 0 339 0 489		5044 8 5043 4 5042 2 5041 2 5039 5 5039 5 5040 2 5040 1 5040 1
0030 † 0040 0050 0075 0075 0100 0150 0150 0200 0225 0250 0250 0300 0300 0400	25 24 24 24 24 24 23 23 22 22 20 19 18 18	11 88 67 28 28 11 70 70 22 21 21 44 27 27	888888888888888888888888888888888888888	49 49 50 56 56 68 82 82 84 77 77 62	24 24 24 24 24 25 25 25 25 25 25	45 52 60 76 76 90 90 13 13 28 52 52	0 108 0 177 0 259 0 339 0 489		5043 4 5042 2 5041 2 5039 7 5039 7 5040 2 5040 1 5040 1
0040 0050 0075 0075 0100 0150 0150 0175 0200 0200 0225 0250 0250 0300 0300 0400	24 24 24 24 24 23 23 23 22 22 20 19 18 18	88 67 28 28 11 70 70 22 21 21 44 27 27	33333333333333	49 50 56 56 68 82 82 84 77 77 62	24 24 24 24 25 25 25 25 25 25	52 60 76 76 90 90 13 13 28 52	0 177 0 259 0 339 0 489		5042 2 5041 2 5039 5 5039 5 5040 2 5040 1 5040 1
0050 0075 0075 0100 0100 0150 0150 0200 0200 0225 0250 0250	24 24 24 24 23 23 23 22 22 20 19 18 18	67 28 28 11 11 70 70 22 21 21 44 27 27	3333333333333	50 56 56 68 68 82 82 84 77 77 62	24 24 24 24 25 25 25 25 25 25	60 76 76 90 90 13 13 28 52 52	0 259 0 339 0 489		5041 2 5039 3 5039 3 5040 2 5040 2 5040 1 5040 1
0075 0075 0100 0100 0150 0150 0200 0200 0225 0250 0250	24 24 24 23 23 23 22 22 20 19 18 18	28 11 11 70 70 22 21 21 44 27 27	333333333333333333333333333333333333333	56 56 68 68 82 82 84 77 77 62	24 24 24 25 25 25 25 25 25 25	76 76 90 90 13 13 28 52 52	0 259 0 339 0 489		5039 5039 5040 5040 5040 5040 5040
0075 0100 0100 0150 0150 0175 0200 0200 0225 0250 0250 0300 0300 0400	24 24 24 23 23 22 22 20 19 19 18 18	28 11 11 70 70 22 21 21 44 27 27	333333333333333333333333333333333333333	56 68 68 82 82 84 77 77 62	24 24 24 25 25 25 25 25 25 25	76 90 90 13 13 28 52 52	0 339		5039 7 5040 2 5040 2 5040 1 5040 1
0100 0100 0150 0150 0175 0200 0200 0225 0250 0250 0300 0300 0400	24 24 23 23 23 22 22 20 19 19 18 18	11 11 70 70 22 21 21 44 27 27	366666666666666666666666666666666666666	68 68 82 82 84 77 77 62	24 24 25 25 25 25 25 25 25 25	90 90 13 13 28 52 52	0 489		5040 2 5040 2 5040 1 5040 1 5037 7
0100 0150 0150 0175 0200 0200 0225 0250 0300 0300 0400	24 23 23 22 22 22 20 19 19 18 18	11 70 70 22 21 21 44 27 27	3666666666666	68 82 82 84 77 77 62	24 25 25 25 25 25 25 25	90 13 13 28 52 52	0 489		5040 2 5040 1 5040 1 5037 7
0150 0150 0175 0200 0200 0205 0250 0250 0300 0300 0400	23 23 22 22 22 20 19 19 18 18	70 70 22 21 21 44 27 27	36 36 36 36 36	82 82 84 77 77 62	25 25 25 25 25 25 25	13 13 28 52 52			5040 1 5040 1 5037 7
0150 0175 0200 0200 0225 0250 0250 0300 0300 0400	23 23 22 22 20 19 19 18 18	70 22 21 21 44 27 27	36 36 36 36 36 36	82 84 77 77 62	25 25 25 25 25 25	13. 28. 52. 52.			5040 1
0175 0200 0200 0225 0250 0250 0300 0300 0400	23 22 22 20 19 19 18 18	22 21 21 44 27 27	36 36 36 36 36	84 77 77 62	25 25 25 25	28 52 52	0 625		5037
0200 0200 0225 0250 0250 0300 0300 0400	22 22 20 19 19 18 18	21 21 44 27 27	36 36 36	77 77 62	25 25 25	52 52	0 625		
0200 0225 0250 0250 0300 0300 0400	22 20 19 19 18 18	21 44 27 27	36 36 36	77 62	25 25	52	0 625		1 5030 4
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0250 0250 0300 0300 0400	19 19 18 18	27 27	36			UI	Black Country		5030 5
0250 0300 0300 0400	19 18 18	27	-	56					5016 1
0300 0300 0400	18		136		26	16	0 738		5006
0300	18	28	12.00	56	26	16			4999
0400	-		36	47	26	34	0 831		4999
		28	36	47	26	34			4995 4
0500	17	36 45	36	20 90	26	37 80	1 011		4970 2
0500	14	45	35	90	26	80			4970 2
0600	14	06	35	. 58	27	05	1 300		4948
0600	12	06.	1	58	27	05	- 500		4948 2
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	05	39	35	04	27	68	1 651		4885 6
1000	05	39	35	04	27	68			4885 6
1200	04	52	35	00	27	75	1 755		4884 7
1300	04	20	34	99	27	78			4885 8
1500	03	78	34	97	27	81	1 893		4890 9
1800	03	72	34	97	27	81			4906 7
	0700 0750 0800 0800 1000 1000 1200 1300 1500	0700 10 0750 09 0800 08 0800 08 1000 05 1000 05 1200 04 1300 04 1500 03	0700 10 02 0750 09 16 0800 08 58 0800 08 58 1000 05 39 1200 04 52 1300 04 20 1500 03 78	0700 10 02 35 0750 09 16 35 0800 08 58 35 0800 08 58 35 1000 05 39 35 1000 05 39 35 1200 04 52 35 1300 04 20 34 1500 03 78 34	0700	0700 10 02 35 33 27 0750 09 16 35 23 27 0800 08 58 35 18 27 0800 08 58 35 18 27 1000 05 39 35 04 27 1000 05 39 35 04 27 1200 04 52 35 00 27 1300 04 20 34 99 27 1500 03 78 34 97 27	0700 10 02 35 33 27 23 0750 09 16 35 23 27 29 0800 08 58 35 18 27 35 0800 08 58 35 18 27 35 1000 05 39 35 04 27 68 1000 05 39 35 04 27 68 1200 04 52 35 00 27 75 1300 04 20 34 99 27 78 1500 03 78 34 97 27 81	0700	0700

			· ·		5	URFACE	OBSERV	ATIONS						
	HODE No.	STATION			SATE			POS	TION	-			NIC	MAX.
	Wo.	SIMILON	Mo.	DAY	YEAR	HOUR	LATII	UDE	LO	NGITUDE		UNCOR	RECTED	DEPTH
l	31947	0044	05	26	1962	07	24	40'N	077	35	'w	18	50	18
	VIND	ANENO.	AIR	ATR TEN	PERATURE	HUMIO-		CLOUD	SE	A .	SW	ELL		WATER
SPEEC	DIR.	HGT.	PRESS	DRY W	WET	ITY	MEATHER	TYPE AMT.	DIR.	AMT.	DIR.	AMT.	VIS.	OL. TRAN

ED	DIR.	no		FRE33	DRY	*	WE	*	1			TYPE	AMT.	DIR.	AMT.	DIR.	1	AMT.	
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		ſ						S	UBSUF	FACE	OBS	ERV	ATIO	NS					
			DEP	MPLE TH (M)	7	°¢		8%	0	-t	*		↓ ²	ΔD	O:m	M	,	4	
	STD		00		26	02			51	24	1		00	0			_)48)48	8
	STD	BS	00	10+	26	70	200		51	24	2		03	7				146	9
	STD			201	25	40			50	24	3						50	45	1
	STD			30 t	25	13			49	24	4		10	9			250	43	6
	STD	ВS	00		24	65			50	24	5	- 1	17	7			1000	42	0
	STD		00		24	25			56	24	7							39	5
		BS	00		24	25		200	56	24	7				4.77		112000	39	5
	STD		01		24	16			66	24	8		33	9				40	5
	STD		01		24	73			82	25	1		49	0	300		1000	40	4
			01		23	73			82	25	1						10000	40	4
		-	01		23	25	1		84	25	2						-	37	9
	STD		020		21	76	-		73	25	6		62	4			8/2/2015	26	5
			02		20	30			62	25	9	_					10.00	14	8
	STD		02	50	19	20) 3	6	55	26	1		73	4				06	0
		-	025		19	09			55 49	26	1 4		82	_				98	0 2
	STD		030		18	09			49	26	4		02	•				98	2
	STD		04		16	61			24	26	5	- 1	99	3			49	88	2
	STD		05	2002	14	56			93	26	8	-	14	3				71	5
	STD	-	05		14	93			93	26	8		27	2			E. K. V	71	5
			06		11	93	-		55	27	o							46	7
	0	BS	06	10.00	10	79	-		42	27	1							35	7
			070		09	80	1		21	27	3					-		26	3
	STD		080		08	64			19	27	3		47	9				17	1
			08	Contract of the Contract of th	08	64	100		19	27	3						1100	17	1
	STD	100	100		05	35	No West		05	27	6		62	2			1194	85	2
	STD		100		05	35			05	27	7	-	72	4			1.0	85	7
		0.00	130		04	30			00	27	7							87	2
	STD	750 40	150		03	89			98	27	8		86	4		200		92	5
	0	BS	180	00	03	72	3	4	97	27	8	1					49	906	7
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					SURFACI	E OBSE	RVATIONS				
NODC REF.	STATION			DATE			PO	SITION		SONIC	MAX.
NO.	SIATION	MO.	DAY	YEAR	HOUR	LA	TITUDE	LON	GITUDE	UNCORRECTED	DEPTH
31947	0045	05	26	1962	10	24	40'N	077	35 W	1850	18

w	IND	ANEMO.	AIR	AIR TEMP	PERATURE	HUMID-	WEATHER	CLC	QUO	SI	EA	SWE	LL.		w	ATER
SPEED	DIR.	HGT.	PRESS	DRY *	WET *	ITY			AMT.	DIR.	AMT.	DIR.	AMT.	VIS.	COL.	TRANS.
04	11		17	25 5	23 8		01	0	0	10-	2			7		

			12/4		SUBSU	RFACE	OBSE	RVA	TIONS		
	SAMPLE DEPTH (M)	7	°¢ ¥	THE RESERVE	% o ♥	•1	+	Į,	ΣΔΟ	0:m1/1	v, +
STD	0000	25	92	36	53	24	23	0	000		5048 1
QBS	0000	25	92	36	53	24	23				5048 1
STD	00101	25	50	36	54	24	37	b	036		5045 9
STD	00201	25	15	36	55	24	49	755	071		5043 4
STD	00301	24	88	36	54	24	56	0	106		5041 9
OBS	0040	24	67	36	56	24	64	1			5040 8
STD	0050	24	62	36	63	24	71	10.00	172		5041 3
STD	0075	24	51	36	70	24	79	0	253	A	5042
OBS	0075	24	51	36	70	24	79				5042 0
STD	0100	24	06		. 64	24	88	6.	332		5039 6
OBS	0100	24	06	36	64	24	88	1			5039 6
STD	0150	.23	81	36	85	25	12	P	483		5041 1
OBS	0150	23	81	36	85	25	12	1			5041 1
OBS	0175	22	90	36	76	25	32	6			5034 8
STD	0200	21	88	36	73	25	58	1	618	4.5	5027 6
OBS	0200	21	88	36	73	25	58				5014 5
OBS	0225	20	25	36	64	25	96	6	720		5006 0
STD	0250	19	20	36	55	26	17	0	729		5006 0
OBS	0250	19	20	36	55	26	17	6	222		4998 5
STD	0300	18	14	36	45	26	36	۲	822	7.78	4998 5
OBS	0300	18	14	36	45	26	36	6	007		
STD	0400	16	63	36	07	26	44	1	997		4987 8
STD	0500	14	45	35	76	26	70	1	158		4969 6
OBS	0500	14	45	35	90	26	80	1.	222		4970 2
STD	0600	11	60	35 .	51	27	08	1	290		4942 7
OBS	0600	11	60.	The 1982 and 1982	51	27	08			100	4942 7
OBS	0650	10	76	35	41	27	16	1			4935 3
OBS	0700	09	82	35	31	27	24				
OBS	0750	09	00	35	21	27	30	1.	400		4918 9
STD	0800	08	51	35	18	27	36	1	493		4915 4
ORS	0800	08	51	35	18	27	36 71	1	422	2017	4882 1
STD	1000	05	13	35	03	27	71	1	633		4882 1
OBS	1000	Charles and the second	47	35		27	76	1	733		4884 0
STD	1200	04	21	34	99	27	78	-	133		4885 9
OBS	1300	04	100000000000000000000000000000000000000	1000		27	81	h	870		4892 1
STD	1500	03	86	34	98 97	27	81	1	870		4906 6
OBS	1800	03	1.7	94	91	121	0.1				4,00 0
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					SURFACE	E OBSE	RVATIONS					
NODC REF.	STATION			DATE			PC	SITION			SONIC	MAX.
NO.	STATION	MO.	DAY	YEAR	HOUR	LA	TITUDE	LON	IGITUDE		UNCORRECTED	DEPTH
31947	0046	05	26	1962	13	24	40'N	077	35	W	1850	18

w	IND	ANEMO.	AIR	AIR TEMP	PERATURE	HUMID-	WEATHER	CLC	DUD	S	EA .	SWE	LL		w	ATER
SPEED	DIR.	HGT.	PRESS	DRY *	WET *	ITY	WEATHER	TYPE	AMT.	DIR.	AMT.	DIR.	AMT.	VIS.	COL.	TRANS.
03	09	Constant Constant	18	26 8	24 3		01	8	2	10	- 1			7		

SAMPLE DEPTH (M) 0000 0000 0010 † 0020 † 0030 † 0040 0050	25 25 25 25 25 24 24	°¢ ▼ 87 87 44 08		% o ♦ 53 53	24	♦	-	ΣΔD	O₂m 1/1 ♦	V,	,
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0030 t 0040 0050	24 24	E		53	24	38	0	036		5045	(
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0050	10000	80	36	53	24	58	0	105		5041	1
0050	10000	60	36	53	24	64				5040	1
	24	58	36	59	24	69	0	172		5040	1
0075	24	48	36	71	24	81	0	253		5041	1
0075	24	48	36	71	2.4	81				5041	1
0100	24	32	36	78	24	91	0	331		5042	
0100	24	32	36	78	24	91	1			5042	
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0600	11	51	35	51	27	10	1	269			
0600	11	51	35	51	27	10	1			4941	1
0650	10	89	35	43	27	15	1			4936	9
0700	09	91	35	32	27	24	1			4927	6
0750	09	01	35	21	27	30				4919	(
0800	08	52	35	19	27	36	1	469		4915	6
0800	08	52	35	19	27	36				4915	-
1000	05	15	35	02	27	69	1	610		4882	:
1000	05	15	35	02	27	69	1			4882	:
1200	04	47	35	00	27	76	1	711		4884	(
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					SURFACE	E OBSE	RVATIONS				
NODC REF.	STATION			DATE			PC	SITION		SONIC	MAX.
NO.	SIATION	MO.	DAY	YEAR	HOUR	LA	TITUDE	LON	NGITUDE	UNCORRECTED	DEPTH
31947	0047	05	26	1962	16	24	40 N	077	35 W	1850	18

w	IND	ANEMO.	AIR	AIR TEM	PERATURE	HUMID.		CLC	OUD	SI	EA	SWE	LL		w	ATER
SPEED	DIR.	HGT.	PRESS	DRY *	WET *	ITY	WEATHER	TYPE	AMT.	DIR.	AMT.	DIR.	AMT.	VIS.	COL.	TRANS
04	09	A Company	18	28 6	24 4		02	8	2	09	1			7		

			SUBSU	RFACE OBSER	EVATIONS		
	SAMPLE DEPTH (M)	T°C.	8%0	*1 +	₹ AD	O:m1/1	v, +
STD	0000	26 18	36 52	24 14	0 000		5050 0
OBS	0000	26 18	36 52	24 14			5050 0
STD	00101	25 72	36 . 53	24 30	0 037		5047 1
STD	0020t	25 32	36 53	24 42	0 073		5044 6
STD	0030 t	25 00	36 54	24 53	0 108		5042 8
OBS	0040	24 75	36 54	24 60			5041 4
STD	0050	24 62	36 60	24 69	0 175		5041 1
STD	0075	24 43	36 74	24 85	0 255		5041 5
OBS	0075	24 43	36 74	24 85			5041 5
STD	0100	24 41	36 85	24 94	0 333	The same	5043 1
ORS	0100	24 41	36 85	24 94	0 400		5043 1
STD	0150	23 87	36 87	25 12	0 482		5041 7
OBS	0150	23 87	36 87	25 12			
OBS	0175	23 25	36 86	25 29			5038 0
STD	0200	22 03	36 77	25 57	0 618	0.05	5029 0
ORS	0200	22 03	36. 77	25 57			5029 0
ORS	0225	20 38	36 63	25 92	710		5015 6
STD	0250	19 15	36 55	26 18	0 729		
OBS	0250	19 15	36 55	26 18	0 001		
STD	0300	17 99	36 44	26 39	0 821		4997 0
OBS	0300	17 99	36 44	26 39	0 000	1 1154	
STD	0400	16 55	36 22	26 57	0 988	335	4987 6
STD	0500	14 37	35 91 35 91	26 83	1 131		4969 4
OBS	0500		35 . 50	27 10	1 262		4940 9
STD	0600		35 50	27 10	1 202		4940 9
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OBS	0700	09 92	35 33	27 24			4927 8
OBS	0750	09 00	35 21	27 30			4918 9
STD	0800	08 66	35 19	27 34	1 463		4917 3
085	0800	08 66	35 19	27 34			4917 3
STD	1000	05 28	35 08	27 73	1 603		4884 3
овѕ	1000	05 28	35 08	27 73			4884 3
7 STD	1200	04 55	35 02	27 76	1 701		4885 2
OBS	1300	04 27	35 00	27 78			4886 8
STD	1500	03 88	35 00	27 82	1 836		4892 4
OBS	1800	03 73	34 99	27 83			4906 9
			,				

					SURFACE	OBSE	RVATIONS				
NODC REF.	STATION			DATE			PO	SITION		SONIC	MAX.
NO.	STATION	MO.	DAY	YEAR	HOUR	LA	TITUDE	LON	GITUDE	UNCORRECTED	DEPTH
31947	0048	05	26	1962	19	24	40'N	077	35 W	1850	18

w	IND	ANEMO.		AIR TEMP	ERATURE	HUMID-	WEATHER	CLC	QUO	5	EA.	SWE	LL.	vie	W	ATER
SPEED	DIR.	HGT.	PRESS	DRY	WET #	ITY			AMT.	DIR.	AMT.	DIR.	AMT.	413.	COL.	TRANS.
04	07		16	26 8	23 8		02	8	2	09	. 1			7		

SAMPLE DEPTH (N) 0000 0000 0010 t 0020 t 0030 t	26 26 26	74 74		% o	23	♦	+	000	O₂m 1/1	5054	*
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	25	04	36	53	24	20	0	038		5049	1
0030+	25	47	36	53	24	37	0	075		5045	1
	25	02	36	52	24	50	0	110		5042	
0040	24	70	36	52	24	60				5040	1
0050	24	70	36	63	24	68	0	177	547	5041	
0075	24	54	36	78	24	85	0	258	1100	5042	
0075	24	54	36	78	24	85				5042	
0100	24	18	36	77	24	95	0	335	100	5041	-
0100	24	18	36	77	24	95				5041	
0150	23	82	36	90	25	15	0	484		5041	
0150	23	82	36	90	25	15				5041	4
0175	22	99	36	80	25	32				5035	
0200	21	85	36	75	25	61	0	618		5027	4
0200	21 .	85	36	75	25	61	1			5027	4
0225	19	91	36	60	26	02	1			5011	3
0250	18	84	36	52	26	24	0	726		5002	(
0250 .	18	84	36	52	26	24	1			5002	(
0300	17	90	36	43	26	41	0	816		4996	1
0300	17	90	36	43	26	41.				4996	1
0400	16	34	36	18	26	59	0	982.		4985	:
0500	14	21	35	87	26	83	1	130		4967	-
0500	14	21	35	87	26	83				4967	(
0600	11	50	35	50	27	09	1	255		4941	
0600	11	50	35	50	27	09			100	4941	6
0650	10	88	35	43	27	15				4936	8
0700	09	66	35	29	27	26	1			4924	:
0750	80	95	35	21	27	31				4918	3
0800	08	52	35	19	27	36	1	455		4915	6
0800	80	52	35	19	27	36	1	*		4915	6
1000	05	15	35	02	27	69	1	596		4882	3
1000	05	15	35	02	27	69				4882	1
1200	04	47	35	00	27	76	1	697		4884	(
1300	04	21	34	99	27	78				4885	5
1500	03	86	34	98	27	81	1	834		4892	1
1800	03	75	34	97	27	81	1			4907	1
1000						•					
	0100 0100 0150 0150 0175 0200 0200 0225 0250 0250 0300 0400 0500 0650 0650 0700 0750 0800 0800 1000 1100 1100	0100 24 0100 24 0150 23 0150 23 0175 23 0200 21 0200 21 0225 19 0250 18 0300 17 0400 16 0500 14 0500 14 0600 11 0600 11 0600 09 0750 08 0800 08 0800 08 1000 05 11000 05 11	0100 24 18 18 18 15 16 18 18 15 18 18 15 18 18	0100 24 18 36 0100 24 18 36 0150 23 82 36 0150 23 82 36 0150 23 82 36 0200 21 85 36 0200 21 85 36 0225 19 91 36 0250 18 84 36 0300 17 90 36 0300 17 90 36 0400 16 34 36 0500 14 21 35 0600 11 50 35 0600 11 50 35 0700 09 66 35 0750 08 52 35 0800 08 52 35 0800 08 52 35 0800 08 52 35 080	0100 24 18 36 77 0100 24 18 36 77 0150 23 82 36 90 0150 23 82 36 90 0175 22 99 36 80 0200 21 85 36 75 0225 19 91 36 60 0250 18 84 36 52 0300 17 90 36 43 0300 17 90 36 43 0300 17 90 36 43 0500 14 21 35 87 0500 14 21 35 87 0600 11 50 35 50 0650 10 88 35 43 0700 09 66 35 29 0750 08 52 35 19 <td>0100 24 18 36 77 24 0100 24 18 36 77 24 0150 23 82 36 90 25 0150 23 82 36 90 25 0175 22 99 36 80 25 0200 21 85 36 75 25 0225 19 91 36 60 26 0250 18 84 36 52 26 0250 18 84 36 52 26 0250 18 84 36 52 26 0250 18 84 36 52 26 0300 17 90 36 43 26 0300 17 90 36 43 26 0400 16 34 36 18 26 0500 14 21</td> <td>0100 24 18 36 77 24 95 0100 24 18 36 77 24 95 0150 23 82 36 90 25 15 0150 23 82 36 90 25 15 0175 22 99 36 80 25 32 0200 21 85 36 75 25 61 0225 19 91 36 60 26 02 0250 18 84 36 52 26 24 0250 18 84 36 52 26 24 0250 18 84 36 52 26 24 0300 17 90 36 43 26 41 0300 17 90 36 43 26 41 0400 16 34 36 18</td> <td>0100 24 18 36 77 24 95 0 0100 24 18 36 77 24 95 0 0150 23 82 36 90 25 15 0 0150 23 82 36 90 25 15 0 0175 22 99 36 80 25 32 0 25 15 0 0200 21 85 36 75 25 61 0 26 02 0 26 24 0 0 26 02 0 26 24 0 0 26 02 0 0 26 02 0 0 0 26 02 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>0100 24 18 36 77 24 95 0 335 0100 24 18 36 77 24 95 0 335 0150 23 82 36 90 25 15 0 484 0150 23 82 36 90 25 15 0 484 0150 23 82 36 90 25 15 0 484 0175 22 99 36 80 25 32 2 2 26 24 0 6 18 84 36 75 25 61 0 618 0 26 02 0 7 26 24 0 726 02 0 726 0 726 0 726 0 126 0 126 0 126 0 126 0 126 0 126 0 126 0<!--</td--><td>0100 24 18 36 77 24 95 0 335 0100 24 18 36 77 24 95 0 335 0150 23 82 36 90 25 15 0 484 0150 23 82 36 90 25 15 0 484 0150 23 82 36 90 25 15 0 484 0200 21 85 36 75 25 61 0 618 0220 21 85 36 75 25 61 0 618 0225 19 91 36 60 26 02 0 726 0250 18 84 36 52 26 24 0 726 0300 17 90 36 43 26 41 0 816 0300 17 90 36 43 26 59 0 982 05</td><td>0100 24 18 36 77 24 95 0 335 5041 0100 24 18 36 77 24 95 0 335 5041 0150 23 82 36 90 25 15 0 484 5041 0150 23 82 36 90 25 15 0 484 5041 0175 22 99 36 80 25 32 5035 5035 0200 21 85 36 75 25 61 61 5027 0225 19 91 36 60 26 02 0 726 5002 0250 18 84 36 52 26 24 0 726 5002 0300 17 90 36 43 26 41 0 816 4996 0500 14 21</td></td>	0100 24 18 36 77 24 0100 24 18 36 77 24 0150 23 82 36 90 25 0150 23 82 36 90 25 0175 22 99 36 80 25 0200 21 85 36 75 25 0225 19 91 36 60 26 0250 18 84 36 52 26 0250 18 84 36 52 26 0250 18 84 36 52 26 0250 18 84 36 52 26 0300 17 90 36 43 26 0300 17 90 36 43 26 0400 16 34 36 18 26 0500 14 21	0100 24 18 36 77 24 95 0100 24 18 36 77 24 95 0150 23 82 36 90 25 15 0150 23 82 36 90 25 15 0175 22 99 36 80 25 32 0200 21 85 36 75 25 61 0225 19 91 36 60 26 02 0250 18 84 36 52 26 24 0250 18 84 36 52 26 24 0250 18 84 36 52 26 24 0300 17 90 36 43 26 41 0300 17 90 36 43 26 41 0400 16 34 36 18	0100 24 18 36 77 24 95 0 0100 24 18 36 77 24 95 0 0150 23 82 36 90 25 15 0 0150 23 82 36 90 25 15 0 0175 22 99 36 80 25 32 0 25 15 0 0200 21 85 36 75 25 61 0 26 02 0 26 24 0 0 26 02 0 26 24 0 0 26 02 0 0 26 02 0 0 0 26 02 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0100 24 18 36 77 24 95 0 335 0100 24 18 36 77 24 95 0 335 0150 23 82 36 90 25 15 0 484 0150 23 82 36 90 25 15 0 484 0150 23 82 36 90 25 15 0 484 0175 22 99 36 80 25 32 2 2 26 24 0 6 18 84 36 75 25 61 0 618 0 26 02 0 7 26 24 0 726 02 0 726 0 726 0 726 0 126 0 126 0 126 0 126 0 126 0 126 0 126 0 </td <td>0100 24 18 36 77 24 95 0 335 0100 24 18 36 77 24 95 0 335 0150 23 82 36 90 25 15 0 484 0150 23 82 36 90 25 15 0 484 0150 23 82 36 90 25 15 0 484 0200 21 85 36 75 25 61 0 618 0220 21 85 36 75 25 61 0 618 0225 19 91 36 60 26 02 0 726 0250 18 84 36 52 26 24 0 726 0300 17 90 36 43 26 41 0 816 0300 17 90 36 43 26 59 0 982 05</td> <td>0100 24 18 36 77 24 95 0 335 5041 0100 24 18 36 77 24 95 0 335 5041 0150 23 82 36 90 25 15 0 484 5041 0150 23 82 36 90 25 15 0 484 5041 0175 22 99 36 80 25 32 5035 5035 0200 21 85 36 75 25 61 61 5027 0225 19 91 36 60 26 02 0 726 5002 0250 18 84 36 52 26 24 0 726 5002 0300 17 90 36 43 26 41 0 816 4996 0500 14 21</td>	0100 24 18 36 77 24 95 0 335 0100 24 18 36 77 24 95 0 335 0150 23 82 36 90 25 15 0 484 0150 23 82 36 90 25 15 0 484 0150 23 82 36 90 25 15 0 484 0200 21 85 36 75 25 61 0 618 0220 21 85 36 75 25 61 0 618 0225 19 91 36 60 26 02 0 726 0250 18 84 36 52 26 24 0 726 0300 17 90 36 43 26 41 0 816 0300 17 90 36 43 26 59 0 982 05	0100 24 18 36 77 24 95 0 335 5041 0100 24 18 36 77 24 95 0 335 5041 0150 23 82 36 90 25 15 0 484 5041 0150 23 82 36 90 25 15 0 484 5041 0175 22 99 36 80 25 32 5035 5035 0200 21 85 36 75 25 61 61 5027 0225 19 91 36 60 26 02 0 726 5002 0250 18 84 36 52 26 24 0 726 5002 0300 17 90 36 43 26 41 0 816 4996 0500 14 21

					SURFACI	E OBSE	RVATIONS					
NODC REF.	STATION			DATE			PO	SITION			SONIC	MAX.
NO.	STATION	MO.	DAY	YEAR	HOUR	LA	TITUDE	LOP	GITUDE		UNCORRECTED	SAMPLE
31947	0049	05	26	1962	22	24	40'N	077	35	W	1850	18

W	IND	ANEMO.	AIR	AIR TEMP	PERATURE	HUMID-	WEATHER	CLC	OUD	S	EA	SWE	. 11		ATER
SPEED	DIR.	HGT.	PRESS	DRY *	WET *	ITY	WEATHER	TYPE	AMT.	DIR.	AMT.	DIR.	AMT.	VIS.	TRANS.
05	09		16	27 5	23 6		01	8	2	07	1			7	

OBS 0000 26 63 36 54 24 02 02 038 570 0020 25 55 36 56 24 37 0075 570 0030 25 16 36 56 24 49 0 110 55 085 0040 24 88 36 57 24 58 570 0050 24 83 36 67 24 68 0 177 570 0075 24 70 36 81 24 82 0 258 570 0075 24 70 36 81 24 82 0 258 570 0085 0100 24 22 36 79 24 95 0 336 570 085 0150 23 70 36 88 25 17 0 484 570 085 0150 23 70 36 88 25 17 0 484 570 085 0150 23 70 36 88 25 17 0 484 570 085 0150 23 70 36 88 25 17 0 484 570 085 0150 23 70 36 88 25 17 0 484 570 085 0150 23 70 36 88 25 17 0 484 570 085 0150 23 70 36 88 25 17 0 484 570 085 0150 23 70 36 88 25 17 0 484 570 085 0175 23 06 36 83 25 32 32 32 32 32 32 3	ΣΔD 0:m1/1 V _f ψ
OBS 0000 26 63 36 54 24 02 25 10 0010 26 04 36 55 24 21 0 0038 57D 0020 125 55 36 56 24 37 0 075 57D 0030 125 16 36 56 24 49 0 110 55 57D 0050 24 88 36 57 24 58 57D 0050 24 83 36 67 24 68 0 177 57D 0075 24 70 36 81 24 82 0 258 57D 0085 0075 24 70 36 81 24 82 0 258 57D 0100 24 22 36 79 24 95 0 336 57D 0150 23 70 36 88 25 17 0 484 59 085 0150 23 70 36 88 25 17 0 484 59 085 0150 23 70 36 88 25 17 0 484 59 085 0150 23 70 36 88 25 17 0 484 59 085 0150 23 70 36 88 25 17 0 484 59 085 0150 23 70 36 88 25 17 0 484 59 085 0150 23 70 36 88 25 17 0 484 59 085 0150 23 70 36 88 25 17 0 484 59 085 0150 23 70 36 88 25 17 0 484 59 085 0200 21 86 36 76 25 61 0 617 55 61 085 0200 21 86 36 76 25 61 0 617 55 61 085 0200 21 86 36 76 25 61 0 617 55 61 085 0300 18 02 36 44 26 39 0823 44 65 39 0823 45 65 65 65 65 65 65 65	
STD 0010 t 26 04 36 55 24 21 0 038 55 57D 0030 t 25 55 36 56 24 37 0 075 55 55 36 56 24 49 0 110 55 55 55 36 56 24 49 0 110 55 55 57 00 0075 24 88 36 57 24 58 58 58 58 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50	0 000 5053
STD 0020 f 25 55 36 56 24 37 0 075 STD 0030 f 25 16 36 56 24 49 0 110 55 STD 0050 24 88 36 57 24 58 0 177 55 STD 0075 24 70 36 81 24 82 0 258 55 STD 0100 24 22 36 79 24 95 0 336 55 STD 0100 24 22 36 79 24 95 0 336 55 STD 0150 23 70 36 88 25 17 0 484 55 STD 0150 23 70 36 88 25 17 0 484 OBS 0175 23 06 36 83	5053
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OBS 0175	
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OBS 0200	0 617 5036
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STD 0400 16 65 36 22 26 55 0 992 STD 0500 14 42 35 90 26 81 1 142 OBS 0500 14 42 35 90 26 81 1 142 STD 0600 11 34 35 49 27 11 1 268 OBS 0600 11 34 35 49 27 11 4 OBS 0650 10 76 35 43 27 17 4 OBS 0700 09 69 35 29 27 25 4 OBS 0750 08 85 35 21 27 33 4 STD 0800 08 26 35 18 27 40 462 OBS 0800 08 26 35 18 27 40 462 STD 1000 05 08 35 02 27 70 1 599 OBS 1000 05 08 35 02 27 70 1 599	
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OBS 0600	
OBS 0650 10 76 35 43 27 17 4 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	4939
OBS 0700 09 69 35 29 27 25 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	4935
OBS 0750 08 85 35 21 27 33 STD 0800 08 26 35 18 27 40 1 462 44 STD 1000 05 08 35 02 27 70 1 599 085 1000 05 08 35 02 27 70 1 599 5TD 1200 04 43 35 00 27 76 1 698 4	4924
STD 0800 08 26 35 18 27 40 1 462 OBS 0800 08 26 35 18 27 40 1 462 STD 1000 05 08 35 02 27 70 1 599 OBS 1000 05 08 35 02 27 70 1 599 STD 1200 04 43 35 00 27 76 1 698	4917
OBS 0800 08 26 35 18 27 40 5TD 1000 05 08 35 02 27 70 1 599 4 5TD 1200 04 43 35 00 27 76 1 698 4	
STD 1000 05 08 35 02 27 70 1 599 OBS 1000 05 08 35 02 27 70 1 599 STD 1200 04 43 35 00 27 76 1 698	4912
STD 1200 04 43 35 00 27 76 1 698 4	1 599 4881
	4881
OBS 1300 04 18 34 99 27 78 4	
	4885
010 1200 100 0. 5. 20 12. 00 1	
OBS 1800 03 72 34 97 27 81 4	4906

	feeter many				SURFACE	E OBSE	RVATIONS					
NODC	STATION			DATE			PC	DSITION	in the second		SONIC	MAX.
REF. NO.	STATION	MO.	DAY	YEAR	HOUR	LA	TITUDE	LON	GITUDE	mile)	UNCORRECTED	DEPTH
31947	0050	05	27	1962	01	24	40'N	077	35	W	1850	18

	VIND	ANEMO.	AIR	AIR TEMP	PERATURE	HUMID-	WEATHER	CLC	OUD	. 5	EA	SWE	LL.		. w	ATER
SPEED	DIR.	HGT.	PRESS	DRY W	WET *	ITY	WEATHER	TYPE	AMT.	DIR.	AMT.	DIR.	AMT.	VIS.	COL.	TRANS.
04	05		16	26 4	23 9		01	8	2	07	1			7		

STD 0010 f 25 67 36 STD 0020 f 25 31 36 STD 0030 f 25 02 36 STD 0050 24 71 36 STD 0075 24 47 36 STD 0100 24 20 36 STD 0100 24 20 36 STD 0100 24 20 36 STD 0150 23 91 36 OBS 0150 23 91 36 OBS 0150 23 91 36 OBS 0175 23 21 36 OBS 0175 23 21 36 OBS 0200 22 11 36 OBS 0220 22 11 36 STD 0300 18 06 36 STD 0400 16 54	σι	RESERVED TO THE				
ORS 0000 26 08 36 STD 0010 f 25 67 36 STD 0020 f 25 31 36 STD 0030 f 25 02 36 STD 0050 24 71 36 STD 0075 24 47 36 STD 0075 24 47 36 STD 0100 24 20 36 STD 0150 23 91 36 OBS 0150 23 91 36 OBS 0175 23 21 36 STD 0200 22 11 36 OBS 0200 22 11 36 OBS 0250 19 29 36 STD 0250 19 29 36 STD 0300 18 06 36 STD 0300 18 06 36 STD 0400 16 54 36 STD 0500 14 42 35 STD 0600 11 69 35 STD 08S 0750 09 10 35 STD 1200 04 45 35 STD 1200 04 45 35	9	+	¥ ∑ ∆D	0:m1/1	V,	,
STD 0010 f 25 67 36 STD 0020 f 25 31 36 STD 0030 f 25 02 36 STD 0040 24 79 36 STD 0050 24 47 36 STD 0075 24 47 36 STD 0100 24 20 36 STD 0100 24 20 36 STD 0150 23 91 36 OBS 0150 23 91 36 OBS 0150 23 91 36 OBS 0175 23 21 36 OBS 0175 23 21 36 OBS 0200 22 11 36 OBS 0225 20 40 36 STD 0300 18 06 36 STD 0400 16 54	3 24	1 12 1	0 000		5049	3
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STD	6 24		0 037		5046	9 .
OBS 0040	9 24		0 072		5044	8
STD 0050 24 71 36 STD 0075 24 47 36 0085 0075 24 47 36 STD 0100 24 20 36 STD 0150 23 91 36 OBS 0150 23 91 36 OBS 0175 23 21 36 OBS 0175 23 21 36 OBS 0200 22 11 36 OBS 0200 22 11 36 OBS 0250 19 29 36 STD 0300 18 06 36 STD 0400 16 54 36 STD 0400 16 54 36 STD 0500 14 42 35 OBS 0500 14 42 35 OBS 0700 09 80	2 24	4/13/27	0 106		5043	2
STD	8 24	67	0 173		5042	1
OBS 0075	15 24		0 253		5041	1 9
STD 0100 24 20 36 OBS 0100 24 20 36 STD 0150 23 91 36 OBS 0150 23 91 36 OBS 0175 23 21 36 STD 0200 22 11 36 OBS 0220 22 11 36 OBS 0225 20 40 36 STD 0250 19 29 36 STD 0300 18 06 36 STD 0300 18 06 36 STD 0400 16 54 36 STD 0500 14 42 35 OBS 0500 14 42 35 OBS 0600 11 69 35 OBS 0700 09 80 35 OBS 0700 09 80	15 24	84	. 233		5041	9
OBS 0100	1 24		0 330		5041	3
STD	1 24	97	330		5041	3
OBS 0150 23 91 36 OBS 0175 23 21 36 OBS 0175 22 21 36 OBS 0200 22 11 36 OBS 0225 20 40 36 STD 0250 19 29 36 OBS 0250 19 29 36 STD 0300 18 06 36 STD 0400 16 54 36 STD 0500 14 42 35 STD 0500 14 42 35 STD 0600 11 69 35 OBS 0600 11 69 35 OBS 0600 11 69 35 OBS 0750 09 10 35 OBS 0750 09 10 35 STD 0800 08 53 35 STD 0800 08 53 35 STD 0800 08 53 35 STD 1200 05 15 35 STD 085 1300 04 19 34 STD 1500 03 83 34	1 25		0 478		5042	i
OBS 0175 23 21 36 OBS 0200 22 11 36 OBS 0200 22 11 36 OBS 0225 20 40 36 STD 0250 19 29 36 OBS 0300 18 06 36 OBS 0300 18 06 36 STD 0400 16 54 36 STD 0500 14 42 35 STD 0500 14 42 35 OBS 0500 11 69 35 OBS 0600 11 69 35 OBS 0700 09 80 35 OBS 0750 09 10 35 STD 0800 08 53 35 STD 0800 05 15 35 STD 085 1000 05 15 35 STD 1200 04 45 35 OBS 1300 04 19 34 STD 1500 03 83 34	1 25	13	Contract of		5042	1
OBS 0200 22 11 36 OBS 0225 20 40 36 STD 0250 19 29 36 OBS 0250 19 29 36 STD 0300 18 06 36 STD 0400 16 54 36 STD 0500 14 42 35 OBS 0500 14 42 35 STD 0600 11 69 35 OBS 0650 10 76 35 OBS 0650 10 76 35 OBS 0750 09 80 35 OBS 0750 09 80 35 STD 0800 08 53 35 STD 0800 08 53 35 STD 0800 08 53 35 STD 085 0800 08 53 35 STD 085 0700 05 15 35 STD 1200 05 15 35 STD 1200 04 45 35 OBS 1300 04 19 34 STD 1500 03 83 34	33 25	28			5037	6
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STD 0250 19 29 36 OBS 0250 19 29 36 STD 0300 18 06 36 STD 0400 16 54 36 STD 0500 14 42 35 STD 0600 11 69 35 0BS 0600 11 69 35 0BS 0650 10 76 35 0BS 0700 09 80 35 0BS 0750 09 10 35 STD 0800 08 53 35 STD 1000 05 15 35 STD 1200 04 45 35 0BS 1300 04 19 34 STD 1500 03 83 34	77 25	55			5029	6
OBS 0250 19 29 36 STD 0300 18 06 36 STD 0400 16 54 36 STD 0500 14 42 35 OBS 0500 11 69 35 OBS 0600 11 69 35 OBS 0600 11 69 35 OBS 0700 09 80 35 OBS 0750 09 10 35 STD 0800 08 53 35 STD 1200 05 15 35 STD 1200 04 45 35 OBS 1300 04 19 34 STD 1500 03 83 34	3 25	92			5015	8
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OBS 0300	7 26	16			5006	9
STD 0400 16 54 36 STD 0500 14 42 35 OBS 0500 14 42 35 STD 0600 11 69 35 OBS 0650 10 76 35 OBS 0700 09 80 35 OBS 0750 09 10 35 STD 0800 08 53 35 STD 1000 05 15 35 STD 1200 04 45 35 OBS 1300 04 19 34 STD 1500 03 83 34	6 26	7.100.11	0 818		4997	8
STD	6 26	39			4997	8
OBS 0500 14 42 35 15 15 15 15 15 15 15 15 15 15 15 15 15	2 26	100	986		4987	5
STD 0600 11 69 35 0BS 0600 11 69 35 0BS 0650 10 76 35 0BS 0700 09 80 35 0BS 0750 09 10 35 STD 0800 08 53 35 STD 1000 05 15 35 STD 1000 05 15 35 STD 1200 04 45 35 OBS 1300 04 19 34 STD 1500 03 83 34	1 26	10 721	1 135		4969	9
OBS 0600 11 69 35 085 0650 10 76 35 085 0700 09 80 35 085 0750 09 10 35 0800 08 53 35 0800 08 53 35 085 085 1000 05 15 35 085 085 1200 04 45 35 085 1300 04 19 34 05 1500 03 83 34	1 26	82			4969	9
OBS 0650 10 76 35 085 0700 09 80 35 085 0750 09 10 35 085 0750 09 10 35 085 085 08 53 35 085 085 1000 05 15 35 085 1300 04 45 35 085 1300 04 19 34 05 1500 03 83 34	4 27	1000 1000	1 261		4943	9
OBS 0700 09 80 35 085 0750 09 10 35 STD 0800 08 53 35 STD 0800 05 15 35 STD 1200 04 45 35 OBS 1300 04 19 34 STD 1500 03 83 34	4 27	09			4943	9
OBS 0750 09 10 35 STD 0800 08 53 35 STD 1000 05 15 35 STD 1200 05 15 35 STD 1200 04 45 35 OBS 1300 04 19 34 STD 1500 03 83 34	2 27	16			4926	3
STD	4 27	31			4920	2
OBS 0800 08 53 35 1000 05 15 35 085 1000 05 15 35 085 1200 04 45 35 085 1500 03 83 34	0 27	The same of the sa	1 462		4915	8
STD	0 27	37	. 402		4915	8
OBS 1000 05 15 35 05 1200 04 45 35 06 1300 04 19 34 05 1500 03 83 34 05 05 05 05 05 05 05 05 05 05 05 05 05	3 27		1 601		4882	4
STD 1200 04 45 35 08 1300 04 19 34 05 1500 03 83 34	3 27	70			4882	4
OBS 1300 04 19 34 5	0 27		1 701		4883	7
STD 1500 03 83 34	9 27	78			4885	6
	8 27	20000	1 838		4891	7
	7 27	81	Part Control		4906	7

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	Marine Lake			evisia.	SURFACI	E OBSE	RVATIONS					
NODC REF. STATION	STATION			DATE			PC	SITION			SONIC	MAX.
REF. NO.	SIATION	MO.	DAY	YEAR	HOUR	LA	TITUDE	LOI	NGITUDE		UNCORRECTED	SAMPLE DEPTH
31947	0051	05	27	1962	04	24	40'N	077	35	W	1850	18

W	IND	ANEMO.	AIR	AIR TEMP	PERATURE	HUMID-		CLC	OUD	S	EA	SWE	LL.	VIS.	ATER
SPEED	DIR.	HGT.	PRESS	DRY *	WET *	ITY	WEATHER	TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		TRANS.
04	09		16	25 7	23 1		01	8	1	08	2		1,	7	

					SUBSU	RFACE	OBSEF	RVATIONS		
	SAMPLE DEPTH (M)	7	°¢	•	% o ♦	*1	+	¥ ΣΔD	Osm I/I	* +
STD	0000	25	96	36	56	24	24	0 000		5048
OBS	0000	25	96	36	56	24	24			5048
STD	0010 +	25	51	36	56	24	38	0 036	1	5045
STD	00201	25	15	36	55	24	49	0 071		5043
STD	0030+	24	86	36	55	24	58	0 106		5041
OBS	0040	24	65	36	55	24	64	4.15		5040
STD	0050	24	62	36	65	24	72	0 172		5041
STD	0075	24	54	36	79	24	85	0 252		5042
OBS	0075	24	54	36	79	24	85			5042
STD	0100	24	07		• 77	24	98	0 329		5040
OBS	0100	24	07	36	77	24	98			5040
STD	0150	23	88	36	91	1 25	14	0 477		5041
ORS	0150	23	.88	36	91	25	14			5041
OBS	0175	23	13	36	81	25	29	and the second		5036
STD	0200	21	97	36	76	25	58	0 611		5028
OBS	0200	21	97	36	76	25	58		3 . Sec	5028
OBS	0225	20	29	36	61	25	93	•		5014
STD	0250	19	14	36	55	26	19	0 722		5005
OBS	0250	19	14	36	55	26	19			5005
STO	0300	17	95	35	45	26	41	0 813		4996
OBS	0300	17	95	36	45	26	41			4996
STD	0400	16	32	36	23	26	64	0 977		4985
STD	0500	14	18	35	92	26	88	1 120		4967
The Contraction of the Contract of the Contrac	0500	14	18	35	92	26	88	1 120		4967
OBS	0600	11	54	25	51	27	09	1 243		4942
STD	0600	11	54	35	51	27	09	1 243		4942
OBS	0650	10	82	35	43	27	16			4936
OBS	0700	09	89	35	31	27	23			4927
OBS	0750		07	35	24	27	31		-	4919
OBS	0800	09	49	35	18	27	36	1 444		4915
STD		08	49	35	18	27	36	1 444		4915
OBS	1000	05	17	25	02	27	69	1 585	1 6 24	4882
STD	1000	05	17	35	02	27	69	1 202		4882
OBS	1200	04	42	35	00	27	76	1 686		4883
STD	Barrier Control of the Control of th		1000	1000	99	27	78	1 000		4885
OBS	1300	04	14	34	98	27	81	1 821	100	4891
STD	1500	03	78	34	97	27	81	1 021		4906
OBS	1800	03	71	34	91	21	0.1			4,00
						e line				
				1						
				100						
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		1						F-7		
						1300				
						198				
		THE STATE		1					NOT STORY	

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					SURFACE	OBSE	RVATIONS				
NODC REF. NO.	STATION			DATE			PO	SITION		SONIC	MAX.
NO.	SIATION	MO.	DAY	YEAR	HOUR	LAT	TITUDE	LON	GITUDE	UNCORRECTED	DEPTH
31947	0052	05	27	1962	07	24	40'N	077	35 W	1850	18

W	IND	ANENO.	AIR	AIR TEMP	PERATURE	HUMID-		CLC	000	S	EA.	SWE	LL			ATER
SPEED	DIR.	HGT.	PRESS	DRY *	WET ¥	ITY	WEATHER	TYPE	AMT.	DIR.	AMT.	DIR.	AMT.	VIS.	COL.	TRANS.
04	10		15	25 6	23 1		02	8	1	08	. 2			7		V2.152

				•	SURFACI	E OBSE	RVATIONS				
	STATION			DATE			PO	SITION		SONIC	MAX.
NO.	SIMILON	MO.	DAY	YEAR	HOUR	LA	TITUDE	LOP	IGITUDE	UNCORRECTED	SAMPLE
31947	0053	05	27	1962	10	24	40'N	077	35 W	1850	18

w	IND	ANEMO.	AIR	AIR TEMP	ERATURE	HUMID-	WEATHER	CLC	DUD	S	EA	SWE	LL .	VIS.		ATER
SPEED	DIR.	HGT.	PRESS	DRY *	WET Y	ITY			AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
03	09	1 - 1 -	14	25 2	22 8		02	8	1	10	2	M.L		7	0.1	

			-	_	SUBSU	RFACE	UBSE			-		
	SAMPLE DEPTH (M)	7	*		*°	•1	+	+	EAD	Osm I/	٧,	,
STD	0000	26	03	36	56	24	22	0 0	00		5049	0
085	0000	26	03	36	56	24	22				5049	9
STD	00101	25	92	36	,57	24	26		37		5048	8
STD	00201	25		36	59	24	33	0 0	73		5048	3
STD	00301	25	58	36	60	24	39	0 1	09		5047	4
OBS	0040	25	35	36	62	24	48	h .			5046	3
STD	0050	24	89	36	64	24	63	0 1	59		5043	40
STD	0075	24	25	36	70	24	87	7 2	29		5040	0
OBS	0100	24	25	36	70 88	24	98	0 3	36		5042	7
STD	0100	24	34	36	88	24	98	7	30		5042	7
STD	0150	24	07	36	94	25	11	0 4	84		5043	5
OBS		. 24	07	36	94	25	11	Γ.			5043	5
OBS	0175	23	28	36	89	25	30				5038	4
STD	0200	22	01	36	74	25	56	0 6	20		5028	7
OBS	0200	22	01	36	74	25	56				5028	7
OBS	0225	20	37	36	62	25	92				5015	5
STD	0250	19	23	36	54	26.	16	0 7	32		5006	3
OBS	0250	19	23	36	54	26	16				5006	3
STD	0300	18	04	36	44	26	38	0 8	25		4997	5
085	0300	18	04	36	44	26	38				4997	5
STD	0400	16	68	36	22	26	54	0 9	95		4988	9
STD	0500	14	52	35	91	26	80	1 1	46		4971	0
OBS	0500	14	52	35	91	26	80		Market 1		4971	0
STD	0600	11	56	35	. 51	27	09	1 2	74		4942	3
OBS	0600	11	56.	35	51	27	09				4942	3
OBS	0650	10	88	35	44	27	16				4936	9
OBS	0700	0.9	94	35	33	27	24				4928	0
OBS	0750	08	96	35	24	27	33				4918	5
STD	0800	08	26	35	21	27	42	1 4	69		4912	5
OBS	0800	08	26	35	21	27	74	1 5	99		4882	3
STD	1000	05	13	35	08	27	74	1 ,	,,		4882	3
OBS	1000	.05	13	35	08	27	77	1 6	94		4883	2
STD	1200	04	41	34	98	27	78	1 0	-		4884	9
OBS	1300	04	14 78	34	98	27	81	1 8	28		4891	ó
STD	1800	03	70	34	97	27	81				4906	4

				830	SURFACE	OBSE	RVATION	S				
NODC REF.	STATION			DATE				POSITION			SONIC	MAX.
NO.	SIRTION	MO.	DAY	YEAR	HOUR	LA	TITUDE	LOI	NGITUDE		UNCORRECTED	DEPTH
31947	0054	05	27	1962	13	24	40'N	077	35	W	1850	18

w	IND	ANEMO.		AIR TEMP	ERATURE	HUMID-	WEATHER	CLC	GUC	S	ÊA.	SWE	LL	vie		ATER
SPEED	DIR.	HGT.	PRESS	DRY W	WET #	ITY	WEATHER	TYPE	AMT.	DIR.	AMT.	DIR.	AMT.	4:5.	COL.	TRANS.
04	09		16	26 4	23 3		01	8	1	10	1		1	7		

STD OBS OSTD OBS	SAMPLE DEPTH (M) D000 D000 D010 t D020 t D030 t D040 D055 D075 D075	25 25 25 25 25 25 25 25 24 24 24	98 98 72 47 23 01 73 32	36 36 36 36 36 36 36 36	54 54 64 72 77 80 74	24 24 24 24 24 24	22 22 38 52 63 72	0 000 0 036 0 071 0 105	0.m I/	5048 5048 5047 5046
OBS (STD OBS (STO STO STO STO STO STO STO STO STO STO	0000 0010 † 0020 † 0030 † 0040 0050 0075	25 25 25 25 25 25 24 24	98 72 47 23 01 73 32	36 36 36 36 36 36	54 64 72 77 80	24 24 24 24 24	22 38 52 63	0 036 0 071		5048
STD COBS COBS COBS COBS COBS COBS COBS COBS	0010 † 0020 † 0030 † 0040 0050 0075	25 25 25 25 24 24	72 47 23 01 73 32	36 36 36 36	64 72 77 80	24 24 24 24	38 52 63	0 071	(1) (1) (2)	5047
STD COBS COSTD COBS COBS COBS COBS COBS COBS COBS COBS	0020 † 0030 † 0040 0050 0075	25 25 25 24 24	47 23 01 73 32	36 36 36	72 77 80	24 24 24	52 63	0 071		
STD OBS OSTD OBS OSTD OBS O	0030 † 0040 0050 0075	25 25 24 24	23 01 73 32	36 36 36	77 80	24	63	0 071		5046
OBS (STD OBS (STD OBS (0040 0050 0075 0075	25 24 24	01 73 32	36 36	80	24	000000	0 105		
STD (STD (STD (STD (STD (STD (STD (STD (0050 0075 0075	24	73 32	36	N. H.		72	- CO C - C - C - C - C - C - C - C - C -		5045
OBS C	0075 0075	24	32		74	1 01				5044
OBS (0075			136		24	76	0 171		5042
STD OBS		24		1-	73	24	87	0 250		5040
OBS	0100		32	136	73	24	87		1	5040
The second secon	TO THE RESERVE OF THE PARTY OF	24	32	36	89	25	00	0 326	1	5042
STO 10	0100	24	32	36	89	25	00			5042
	0150	23	74	36	84	25	13	0 474		5040
	0150	23	74	36	84	25	13			5040
	0175	23	24	36	91	25	33			5038
	0200	21	87	36	71	25	57	0 609		5027
OBS	0200	21	. 87	36	71	25	57			5027
	0225	20	59	36	63	25	86			5017
STD C	0250	19	24	36	55	26	16	0 721	1	5006
085	0250	19	24	36	55	26	16	la lace		5006
STD C	300	18	17	36	4.6	26	36	0 814		4998
Charles and the second second	0300	18	17	36	46	26	36		1	4998
STD C	0400	17.	50	36	42	26	50	0 986		4997
STD	0500	15	28	36	10	26	77	1 142		4979
OBS	05.00	15	28	36	10	26	77			4979
	0600	11	51	35	50	27	09	1 270		4941
	0600	11	51	35.	50	27	09			4941
	0650	10	79	35	42	27	16			4935
The second second second	700	10	00	35	33	27	23			4928
The second second second second	750	08	96	35	22	27	32			4918
	0800	08	25	35	17	27	39	1 468		4912
And the second s	0080	80	25	35	17	27	39			4912
	1000	05	13	35	03	27	71	1 605		4882
	1000	05	13	35	03	27	71			4882
	1200	04	42	35	00	27	76	1 704		4883
	1300	04	16	34	99	27	78			4885
The state of the s	500	03	81	34	98	27	81	1 840	5.0	4891
OBS 1	1800	03	72	34	98	27	82	10 0000		4906

					SURFACE	OBSE	RVATIONS					
NODC REF.	STATION			DATE			Table 1	SONIC	MAX.			
NO.	SIATION	MO.	DAY	YEAR	HOUR	LA	TITUDE	LON	GITUDE		UNCORRECTED	DEPTH
31947	0055	05	27	1962	16	24	40'N	077	35	W	1850	14

w	IND	ANEMO.	AIR	AIR TEM	PERATURE	HUMID-	WEATHER	CLC	OUD		EA	SWE		-		ATER
SPEED	DIR.	HGT.	PRESS	DRY *	WET \$	ITY	WEATHER	TYPE	AMT.	DIR.	AMT.	DIR.	AMT.	VIS.	COL.	TRANS
04	09		15	26 7	23 3			8	1	08	1			7		

					20020	MFACE	OBSE	RVATIONS	9-1-29-1	
	SAMPLE DEPTH (M)	'	°c †		*°	•1	+	₹ AD	Osm 1/1	* +
STD	0000	26	28	36	56	24	14	0 000		5050
OBS	0000	26	28	36	56	24	14			5050
STD	0010+	26	00	36	64	24	29	0 037		5049
STD	0020 1	25	72	36	71	24	43	0 073		5048
STD	00301	25	45	36	76	24	55	0 108		5047
OBS	0040	25	18	36	79	24	66	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		5045
STD	0050	24	82	36	78	24	76	0 174		5043
STD	0075	24	30	36	77	24	91	0 252		5040
OBS	TOTAL CONTRACTOR	24	30	36	77	24	91		1	5040
STD	0100	24	34	36	91	25	00	0 329		5042
OBS		24	34	36	91	25	00	P		5042
STD	0150	23	83	36	86	25	12	0 476		5041
OBS		23	83	36	86	25	12			5041
OBS		23	53	36	90	25	24			5040
STD	0200	22	08	36	74	25	54	0 613		5029
OBS		22	08	36	74	25	54	6 0		5029
OBS	A STATE OF THE STATE OF	20	14	36	61	25	97			5013
The second second								0 724		5005
STD	0250	19	13	36	55	26	19	0 124		A PROPERTY OF STREET
OBS		19	13	36	55	26	19			5005
STO	0300	18	03	36	46	26	40	0 816		4997
OBS	0300	18	03	36	46	26	40			4997
STD	0400	16	38	36	21	26	61	0 981	0.5	4985
STD	0500	14	25	35	90	26	85	1 128		4968
OB5		14	25	35	90	26	85			4968
STD	0600	11	63	35 .	53	27	09	1 252		4943
OBS	0600	11	63.	35	53	27	09			4943
OBS	0650	10	91	35	46	27	17			4937
OBS	0700	10	19	35	35	27	21			4931
OBS	0750	09	17	35	24	27	30			4921
STD	0800	80	37	35	19	27	39	1 451	9.50 8 8 11 8	4913
OBS		08	37	35	19	27	39	A 10 10 10		4913
STD	1000	05	28	35	03	27	69	1 590		4884
085	1000	05	28	35	03	27	69	10 m 15 m	100	4884
STD	1200	04	60	34	99	27	73	1 694		4885
OBS	1300	04	20	34	98	27	77			4885
OBS	1400	03	75	34	97	27	81	(m + 105	45	4885

			****		SURFACE	OBSE	RVATIONS					
NODC REF.	STATION			DATE			PO	SITION			SONIC	MAX.
NO.	SIATION	NO.	DAY	YEAR	HOUR	LA	TITUDE	LON	IGITUDE		UNCORRECTED	SAMPLE DEPTH
31947	0056	05	27	1962	19	24	40'N	077	35	W	1850	18

W	IND	ANEMO.	AIR	AIR TEMP	ERATURE	HUMID-	WEATHER	CLC	מטפ	s	EÀ .	SWE	LL .		w	ATER
SPEED	DIR.	HGT.	PRESS	DRY *	WET *	ITY	WEATHER	TYPE	AMT.	DIR.	AMT.	DIR.	AMT.	VIS.	COL.	TRANS
04	09		15	26 7	23 3		02	8	1	08	-1			7		

STD OBS		1 1	°c	8	%0	ot.		T	ΣΔD	Ozm1/1	V1	
OBS	DEPTH (M)		+		*	-	*	1	+	+		*
The state of the s	0000	26	47	36	54	24	07	0	000		5052	:
	0000	26	47	36	54	24	07	1			5052	2
STD	0010+	25	93	36	57	24	26	0	038		5048	5
STD	00201	25	47	36	60	24	43	0	074		5046	(
STD	0030 +	25	08	36	63	24	57	0	108		5043	-
OBS	0040	24	78	36	66	24	68	-			5042	1
STD	0050	24	59	36	67	24	75	0			5041	-
STD	0075	24	33	36	74	24	88	0	254		5040	-
STD	0100	24	36	36	88	24	98	6	330		5042	
OBS	0100	24	36	36	88	24	98	٢	330		5042	
STD	0150	23	83	36	87	25	13	0	479		5041	
OBS	0150	23	83	36	87	25	13	1			5041	-
OBS	0175	23	21	36	87	25	31	1			5037	
STD	0200	21	92	36	74	25	58	0	614		5027	9
OBS	0200	21	92	36	74	25	58	1			5027	9
085	0225	19	76	36	62	26	80	1			5010	(
STD	0250	18	78	36	52	26	26	0	723	DATE OF THE STREET	5002	(
OBS	0250	18	78	36	52	26	26	1			5002	(
STD	0300	17	80	36	44	26	44	0	812	San	4995	2
OBS	0300	17	80	36	44	26	44	1	24 FG		4995	3
STD	0400	16	35	36	20	26	61		975		4985	:
STD	0500	14	25	35	90	26	85	1	155		4968	1
OBS	0500	14	25	35	90	26	85	1	244		4941	7
STD	0600	11	49	35	55	27	13	1	244		4941	+
085	0650	10	95	35	45	27	15	1			4937	7
OBS	0700	09	98	35	36	27	26	1			4928	6
OBS	0750	09	10	35	25	27	32	1			4920	3
STD	0800	08	25	35	21	27	42	1	435		4912	3
OBS	0800	08	25	35	21	27	42	1			4912	3
STD	1000	05	12	35	04	27	71	1	568		4882	0
085	1000	05	12	35	04	27	71		KIL 15	0.00	4882	0
STD	1200	04	43	35	00	27	76	1	666		4883	5
OBS	1300	04	17	34	99	27	78	1	100		4885	4
STO	1500	03	82	34	99	27	82	1	801		4891	6
OBS	1800	03	72	34	99	27	83	1			4906	8

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40000					SURFACE	OBSE	RVATIONS					
NODC REF.	STATION			DATE			PO	SITION			SONIC	MAX.
NO.	STATION	MO.	DAY	YEAR	HOUR	LA	TITUDE	LON	IGITUDE		UNCORRECTED	DEPTH
31947	0057	06	14	1962	11	26	20'N	073	03	W	5075	29

W	IND	ANEMO.	AIR	AIR TEMP	ERATURE	HUMID-		CLC	OUO	. 5	EA	SWE	LL-		ATER
SPEED	DIR.	HGT.	PRESS	DRY *	WET *	HUMID.	WEATHER	TYPE	AMT.	DIR.	AMT.	DIR.	AMT.	VIS.	TRANS.
02	09		17	25 8	23 3			8	2	12	4	1 SV 1		7	

		SAMPLE		°c	Τ.	SUBSUI	1		T	ΣΔΟ	1 0-12	V _t	
		DEPTH (M)		¥	<u> </u>	*	-1	+	1	* 2 2 5	Ozm1/	1	1
51	TD	0000	26	58	36	78	24	21	6	000		5053	9
	OBS	0000	26	58	36	78	24	21	1			5053	9
	OBS	0008	26	61	36	73	24	17	1			5054	4
51	TD	0010	26	60	36	73	24	17	þ	037		5054	4
	085	0016	26	56	36	73	24	18	1			5054	4
51	TO	0020	26	16	36	72	24	30	0	074		5051	7
	OBS	0024	25	80	36	71	24	41	1			5049	1
51	TD	0030	25	40	36	71	24	53	0	110		5046	5
	OBS	0040	24	84	36	72	24	71	1.			5042	8
ST	ro	0050	24	54	36	73	24	81	b	176		5041	C
	OBS		24	17	36	73	24	92	1			5038	7
ST		0075	23	44	36	75	25	15	b	251		5033	7
	OBS	0080	23	.23	36	75	25	21	1			5032	3
ST		0100	22	68	36	74	25	36	b	320		5028	9
	OBS	0120	22	05	36	72	25	53	r			5024	6
ST		0150	20	90	36	68	25	82	6	.442		5016	3
٠,	ORS	0161	20	53	36	67	25	91	r			5013	6
ST		0200	19	53	36	62	26	14	h	548		5006	6
0,	OBS	0202			36	62			r				
	OBS	0244	18	70	36	54	26	29	1			5001	1
ST	The state of the s	0250	18	64	36	54	26	31	b	642	4	5000	-
	TD	0300	18	21	36	49	26	38	6			4999	3
31	ОВS	0329	17	98	36	47	26	42	٢			4998	6
		0388	17	57	36	42	26	48				4997	7
	OBS		17	50	36	40	26	48	6	904		4997	6
ST	STATE OF STREET	0400	the state of the state of	38	36	38	26	50	٢	,04		4997	1
	OBS	0415	17	.80	36	28	26	56				4993	8
	OBS			34	36	21	26	62	1	068		4990	8
ST		0500	16	29	36	20	26	62	1	000		4990	5
	OBS	0503	14	14	35	34	26	82	1	218		4972	í
ST		0600		47	35	76	26	90	1	210		4965	9
	- OBS	0685	13	50	35	70*	27	25#				1,00	,
	OBS OBS	0784	09	95	35	31	27	22	1			4932	6
ST		0800	09	59	35	29	27	27	1	457		4929	
31		0946	06	93	100	۵,	12.	- '	1			1	•
ST	OBS	1000	06	42	35	13	27	62	1	618		4899	6
31			05	01	35	03	27	72	1	010		4890	9
	OBS	1190	10 YEAR 10 YEAR	100000			27	72	1	733		4891	0
ST		1200	04	98	35	03	27	79	1	881		4896	2
ST	All the same of th	1500	04	15	A Landon	00	1		-	001		4899	2
	OBS	1608	03	94	34	99	27	81	2	105		4916	0
ST	The same of the sa	2000	03	58	35	00	1	85	1	703		4917	7
	OBS	2040	03	54	35	00	27		1			4936	5
	OBS	2490	03	09	34	96	27	87	1				. 5
	OBS	2500	03	80	34	96	27	87	12	319	100	4936	7
ST		2950	02	76	34	94	27	88	1			4957	

					SURFACE	OBSE	RVATIONS					
NODC REF.	STATION	[2] [1] [1] [1] [1] [2] [2] [2] [2] [3] [4] [4] [4] [4] [4] [4] [4] [4] [4] [4									SONIC	MAX.
NO.	SIATION	MO.	DAY	YEAR	HOUR	LA	TITUDE	LON	NGITUDE		UNCORRECTED	DEPTH
31947	0058	06	16	1962	11	24	50'N	072	21	W	5444	06

W	ONI	ANEMO.	AIR	AIR TEMP	ERATURE	HUMID.	WEATHER	CLC	סטפ	S	EA.	SWE	LL .		w	ATER
SPEED	DIR.	HGT.	PRESS	DRY *	WET *	ITY	WEATHER	TYPE	AMT.	DIR.	AMT.	DIR.	AMT.	VIS.	COL.	TRANS.
10	14		16	26 5	24 1		02	8	1	15	-4			7		

				,	SUBSUF	RFACE	OBSER	VATIONS		
	SAMPLE DEPTH (M)	7 '	°¢		% o ∲	•1	+	ΣΔΟ ♦	02m 1/1	V1 +
STD OBS		26 26	25 25	36 36	73 73	24	28 28	0 000		5051 3 5051 3
OBS STD OBS	0006 0010 0014	26 26 26	27 29 30	36 36 36	72 72 71°	24 24 24	27 26 25	0 037	S.	5051 7 5052 1 5052 3
STD OBS STD	0020 0021 0030	26 26 25	27 24 40	36 36 36	.67 66 69	24 24 24	23	0 074		5052 3 5052 1 5046 4
STD	0035 0050	25 24	05 57	36 36	70 68	24	63 76	0 176		5044 0 5041 1
OBS OBS STD	0053 0071 0075	24 24 24	11	36 36 36	68 71 72	24 24 24	79 92 96	0 254 0 328		5040 6 5038 7 5038 2
STD OBS OBS	0100 0108 0145	23 23 21	16	36 36 36	73 74 68	25 25 25	15 23 55	0 328		5034 6 5033 2 5024 3
STD OBS	0150 0183	21	77 15	36 36	67 64	25 25	57 72	0 461		5023 7 5020 1 5018 8
STD OBS STD	0250	20	17	36 36 36	64 63 63	25	98	0 581		5015 1
STD OBS OBS	0300 0300 0382	19 19 18	46	36 36 36	61 61 51	26 26 26	15 15 36	0 794		5011 3 5011 3 5004 9
STD OBS	0400 0465 0500	18 17 17		36· 36· 36	50 45 40	26 26 26	38 46 52	0 983		5005 0 5003 6 5001 6
STD	0600	15		36 36	19	26 26	120124	1 318		4990 9 4984 4
		1								
•										
<i>'</i>										
1						1				

					SURFACI	E OBSE	RVATIONS					
NODC REF.	STATION			DATE			PC	DSITION			SONIC	MAX.
NO.	SIAMON	MO.	DAY	YEAR	HOUR	LA	TITUDE	LON	GITUDE		UNCORRECTED	SAMPLE
31947	0059	06	19	1962	04	23	53 N	077	15	W	1353	13

W	IND	ANEMO.		AIR TEMP	FRATURE	HUMID.	WEATHER	CLC	DUD	. 9	EA	SWE	u.			ATER
SPEED	DIR.	MGT.	PRESS	DRY *	WET *	ITY			AMT.	DIR.	AMT.	DIR.	AMT.	715.	COL.	TRANS.
03	12		17	25 5	22 8		02	9	2	22	1			7		

SAMPLE DEPTH (M)
OBS 0000 27 30 36 56 23 82 5058 5057 5TD 0020 t 26 79 36 74 24 12 0 079 5056 5TD 0030 t 26 47 36 80 24 26 0 117 5054
STD

				10.00	SURFACE	OBSE	RVATIONS				
NODC REF.	STATION			DATE			PO	SITION		SONIC	MAX.
NO.	STATION	MO.	DAY	YEAR	HOUR	LA	TITUDE	LON	IGITUDE	UNCORRECTED	DEPTH
31947	0060	06	20	1962	14	24	31 N	077	30'W	1637	16

W	IND	ANEMO.	AIR	AIR TEM	ERATURE	HUMID-	WEATHER	Cre	DUD	S	EÀ .	SWE	LL .		W	ATER
SPEED	DIR.		PRESS	DRY W	WET ¥	ITY	WEATHER	TYPE	AMT.	DIR.	AMT.	DIR.	AMT.	VIS.	COL.	TRANS.
05	17		15	27 4	24 6		02	9	1	17	. 2			7		

					SUBSU	RFACE	OBSE	RVATIONS		
	SAMPLE DEPTH (M)	T	°c ¥	8	% o ♦	•1	+	ΣΔΟ	O≠m 1/1	v, *
STD	0000	26	57	36	42	23	95	0 000		5052 5
OBS	0000	26	57	36	42	23	95		12 - 22	5052 5
STD	00101	26	54	36	46	23	99	0 040		5053 0
STD	00201	26	45	36	51	24	05	0 079		5053 0
STD	0030 t	26	31	36	56	24	13	0 117	The state of	5052 7
OBS	0040	26	10	36	61	24	24			5051 9
STD	0050	25	71	36	70	24	43	0 190		5049 8
STD	0075	24	91	36	82	24	76	0 275		5045
OBS	0075	24	91	36	82	24	76			5045
STD	0100	24	34	36	79	24	91	0 354		5042 4
OBS	0100	24	34	36	79	24	91			5042 4
STD	0150	24	00	36	92	25	11	0 504		5042 9
OBS	0150	24	00	36	92	25	11			5042 9
OBS	0175	23	14	36	94	25	38			5037 4
STD	0200	22	22	36	89	25	61	0 639		5031 0
OBS	0200	22	22	36	89	25	61			5031 0
OBS	0225	20	25	36	63	25	96	1		5014 4
STD	0250	19	26	36	57	26	17	0 749		5006 6
OBS	0250	19	26	36	57	26	17			5006 6
STD	0300	18	02	36	46	26	40	0 841		4997 4
085	0300	18.	02	36	46	26	40	1		4997 4
STD	0400	16	64	36	26	26	58	1 007		4988 6
STD	0500	14	67	35	98	26	82	1 156		4972 8
OBS	0500	14	67	35	98	26	82			4972 8
STD	0600	12.	10	35	61	27	06	1 284		4948 8
OBS	0600	12	10	35	61	27	06			4948 8
085	0650	10	98	35	46	27	16			4938 1
OBS	0700	09	94	35	33	27	24			4928 0
OBS	0750	09	01	35	28	27	36			4919 3
STD	0800	07	86	35	23	27	50	1 474	1	4907 6
OBS	0800	07	86	35	23	27	50	The same of the		4907 6
STD	1000	05	03	35	04	27	72	1 599	4	4880 8
085	1000	05	03	35	04	27	72		6.74	4880 8
STD	1200	04	46	35	01	27	77	1 695		4883 9
OBS	1300	04	24	35	00	27	.78			4886 4
STD	1500	03	95	34	99	27	81	1 833		4893 4
OBS	1600	03	88	34	99	27	81			4897 9
				1						
								The state of		
1										
						146				
										. 175
				1991						
				118						
		1								
						130				
						1				
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					SURFACI	E OBSE	RVATIONS				
NODC REF.	STATION			DATE			PO	SITION		SONIC	MAX.
NO.	SIATION	MO.	DAY	YEAR	HOUR	LA	TITUDE	LON	IGITUDE	UNCORRECTED	DEPTH
31947	0061	06	21	1962	10	24	15 N	077	21 W	1426	13

W	IND	ANEMO.	AIR	AIR TEMP	ERATURE	HUMID.	WEATHER	CLC	OUD	SI	EA	SWE	LL .	VIE	W	ATER
SPEED	DIR.	HGT.		DRY *	WET *	ITY			AMT.	DIR.	AMT.	DIR.	AMT.	110.	COL.	TRANS.
08	16		15	26 7	23 2		02	3	3	16.	3			7	955	20

26 26 27 26 27 26 27 27 28 28 29 29 29 29 29 29 29 29 29 29 29 29 29	62 59 57 54 52 83 67 67 32 32 01 01 29 90 06 06 14	36 36 36 36 36 36 36 36 36 36 36 36 36 3	36 36 56 73 85 94 93 84 84 96 93 77 77 63 55 55	23 23 24 24 24 24 24 24 24 25 25 25 25 25 26	88 88 04 18 35 57 92 96 14 14 33 72 72	900 00 0 0	000 040 078 115 185 266 343 491	Osm I/I	5052 7 5052 7 5053 7 5054 7 5056 2 5056 2 5051 2 5044 1 5044 1 5042 4 5043 1 5043 1 5048 6
26 26 26 26 26 26 26 26 26 26 26 26 26 2	62 59 57 54 52 83 67 32 01 29 49 06 06 14	88888888888888888888888888888888888888	36 73 85 94 93 93 84 96 96 97 77 63 55	23 24 24 24 24 24 24 24 25 25 25 25 25 26	88 04 18 28 35 57 92 96 14 14 33 72	900 00 0 0	040 078 115 185 266 343 491		5052 7 5053 7 5054 7 5055 5 5056 2 5051 6 5044 1 5042 4 5042 4 5043 1
26 26 26 26 26 26 26 26 26 26 26 26 26 2	59 57 54 52 83 67 32 32 01 01 29 49 02 06 06 14	88888888888888888888888888888888888888	56 73 85 94 93 93 84 96 96 97 77 76 35	24 24 24 24 24 24 24 25 25 25 25 25 25	04 18 28 35 57 92 96 96 14 14 33 72 72	00 00 0 0	078 115 185 266 343 491		5053 7 5054 7 5055 5 5056 2 5051 6 5044 1 5042 4 5042 4 5043 1
26 26 26 26 26 26 26 26 26 26 26 26 26 2	57 54 52 83 67 67 32 32 01 01 29 49 02 06 06 14	888888888888888888888888888888888888888	73 85 94 93 93 84 86 96 96 93 77 77 63 55	24 24 24 24 24 24 25 25 25 25 25 25	18 28 35 57 92 96 96 14 14 33 72 72	00 00 0 0	078 115 185 266 343 491		5054 7 5055 5 5056 2 5051 6 5044 1 5042 4 5042 4 5043 1
26 26 25 24 24 24 24 24 23 21 20 19 18 16 16	54 52 83 67 67 32 32 01 01 29 49 02 06 06 14	333333333333333333333333333333333333333	85 94 93 93 84 86 96 93 77 77 63 55	24 24 24 24 24 25 25 25 25 25 25	28 35 57 92 96 96 14 14 33 72 72	0 00 0 0	115 185 266 343 491		5055 5 5056 2 5051 6 5044 1 5044 1 5042 4 5042 4 5043 1
26 25 24 24 24 24 24 25 23 21 20 19 18 16 16	52 83 67 67 32 32 01 01 29 49 02 06 06 14	333333333333333333333333333333333333333	94 94 93 93 84 84 96 93 77 77 63 55	24 24 24 24 24 25 25 25 25 25 25 26	35 57 92 96 96 14 14 33 72 72	00 0 0	185 266 343 491		5056 2 5051 6 5044 1 5044 1 5042 4 5042 4 5043 1 5043 1
25 24 24 24 24 24 24 24 23 21 20 19 18 18 16	83 67 67 32 32 01 01 29 49 02 06 06 14	333333333333333333333333333333333333333	94 93 93 84 84 96 93 77 77 63 55	24 24 24 24 25 25 25 25 25 25 26	57 92 92 96 96 14 14 33 72 72	0 0 0	266 343 491		5051 6 5044 1 5044 1 5042 4 5042 4 5043 1 5043 1
24 24 24 24 24 24 25 23 21 20 19 19 19 18 16	67 32 32 01 01 29 49 02 06 06 14	366666666666666666666666666666666666666	93 93 84 84 96 96 93 77 77 63 55	24 24 24 25 25 25 25 25 25 25	92 92 96 96 14 14 33 72 72	0 0 0	266 343 491		5044 1 5044 1 5042 4 5042 4 5043 1 5043 1
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24 24 24 23 21 21 20 19 19 18 16 16	32 32 01 01 29 49 02 06 06	36666666666666666666666666666666666666	84 84 96 96 93 77 77 63 55	24 24 25 25 25 25 25 25 25 26	96 96 14 14 33 72 72	0	491		5042 4 5042 4 5043 1 5043 1
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24 23 21 21 20 19 19 18 18 16	01 29 49 49 02 06 06 14	36 36 36 36 36 36	96 93 77 77 63 55	25 25 25 25 25 26	14 33 72 72				5043 1
23 21 21 20 20 19 19 18 18 16	29 49 49 02 06 06 14	36 36 36 36 36	93 77 77 63 55	25 25 25 26	33 72 72	0	623	ES.	
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18			22	26	21				5004 7
16	1/	36	46	26	37	0	821		4998 5
	14	36	46	26	37	1			4998 5
	65	36	24	26	57	0	990		4988 6
14	52	35	94	26	82	1	140		4971 1
14	52	35	94	26	82				4971 1
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					SURFACE	OBSE	RVATIO	ONS					
NODC REF. S	STATION			DATE				PO	SITION			SONIC	MAX.
NO.	SIATION	MO.	DAY	YEAR	HOUR	LA	TITUDE		LON	GITUDE		UNCORRECTED	DEPTH
31947	0062	06	23	1962	06	23	40	N	076	56	W	1298	09

W	IND	ANEMO.	AIR	AIR TEMP	ERATURE	HUMID-	WEATHER	Cro	QUO	SI	EA	SWE		17.0	ATER
SPEED	DIR.	HGT.	PRESS	DRY *	WET *	ITY			AMT.	DIR.	AMT.	DIR.	AMT.	VIS.	TRANS.
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	SUBSURFACE OBSERVATIONS									
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STD	0000	27	38	36	72	23	91	0 000		5059
OBS	0000	27	38	36	72	23	91			5059
STD	0010	26	70	36	79	24	18	0 039		5055
STD	0020	26	09	36	84	24	41	0 075		5051
OBS	0028	25	67	36	87	24	57			5049
STD	0030	25	56	36	87	24	60	0 110		5048
STD	0050	24	76	36	91	24	88	0 174		5043
OBS	0053	24	69	36	91	24	90			5043
OBS	0070	24	49	36	93	24	97			5042
STD	0075	24	45	36	93	24	99	0 251		5042
STD	0100	24	30	36	93	25	03	0 326		5042
OBS	0105	24	28	36	93	25	04			5042
OBS	0122	24	22	36	95	25	07	100		5043
OBS	0140	24	11	36	95	25	10			5043
STD	0150	24	07	36	97	25	13	0 473		5043
OBS	0157	23	95	36	98	25	17	1 100		5043
OBS	0174	23	34	36	94	25	32	0 601		5039
STD	0200	20	85	36	71	25	85	0 601		
OBS	0208	20	21	36	65	25	98	0 706	27.1	5013
STD	0250	19	48	1	60	26	14			5002
STD	0300	18	54	36	51	26	31	0 801		
OBS	0336	17	82	36	43	26	61	100 50		4997
OBS	0400	16	46	36	24	26	62	0 971		4986
STD	0430	15	98	36	19	26	68	0 3/1		4983
OBS	0462	15	59	36	13	26	73			4980
OBS	0494	14	59	35	97	26	83	18 18 18 18		4971
STD	0500	14	44	35	94	25	84	1 117		4970
овя	0528	13	74	35	83	26	90			4963
STD	0600	11	67	35	56	27	11	1 241		4943
OBS	0672	10	18	35	38	27	24			4929
OBS	0753	09	19	35	27	27	32			4921
STD	0800	08	46	35	21	27	39	1 438		4915
OBS	0931	05	83	35	80	27	66			4887
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